CHAMBERS COUNTY, TEXAS

Records of wells, drillers' logs, water analyses,
and maps showing locations of wells
and test holes

TEXAS STATE BOARD OF WATER ENGINEERS
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ILLUSTRATIONS

Map of Chambers County, Texas, showing locations of water wells.

Map of Chambers County, Texas, showing locations of test holes.

CHAMBERS COUNTY, TEXAS

INTRODUCTION

By

Penn Livingston and G. H. Cromack

This release contains information regarding 469 water wells, results of chemical analyses of 326 water samples taken from them, and 80 drillers' logs. This information was obtained by Lloyd G. Davis, Project Superintendent, in connection with a water-well survey by the Work Projects Administration sponsored by the Texas Board of Water Engineers, in cooperation with the United States Department of the Interior, Geological Survey. This survey also consisted of the drilling of 184 shallow test holes from which 119 water samples were collected and analyzed. The analyses were made by the Work Projects Administration at The University of Texas under the direction of Dr. E. P. Schoch, Director, Bureau of Industrial Chemistry, and E. W. Lohr and W. W. Hastings, Chemists, Quality of Water Division, Federal Geological Survey. The analyses in this release are tabulated in parts per million. Twenty-eight of these analyses are also given in milligram equivalents per liter for the convenience of those who prefer this form of expressing the quality of water. The field work was begun on February 27, 1941 and completed July 31, 1941.

A limited number of copies of this release are available for free distribution. They may be obtained by addressing a request to Mr. C. S. Clark, Chairman, Texas State Board of Water Engineers, 302 West 15th Street, Austin, Texas.

This release was mimeographed by employees of the Work Projects Administration Project No. 17276.

Records of wells in Chambers County, Texas
All wells are drilled unless otherwise stated under Remarks

Well No.	Distance from Mt. Belvieu	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
1	2½ miles north	T. Fitzgerald	Amos Jennische	1931	55	6	2.4
2	1¾ miles north	Max Brown	do.	1939	250	4,2	2.0
3	1¼ miles north	J. M. Davis	do.	1932	50	6	1.3
4	1½ miles northwest	Max Brown	do.	1927	185	4,2	2.5
5	2¾ miles northwest	J. R. Barber	--	Old	35	8	0.2
6	3 miles northwest	Q. K. Barber	--	Old	40	4	2.1
7	3¼ miles west	Jerry Ulrich	Jerry Ulrich	1939	36	4	3.0
8	1½ miles west	Ed Ulrich	Ed Ulrich	1931	25	6	0.0
9	¾ mile northwest	Chambers County	--	1940	16	6	2.0
10	½ mile northwest	Kirby Petroleum Co.	--	Old	66	10	1.5
11	do.	J. O. Stockbridge	C. A. Williams	1927	314	--	--
12	do.	J. R. Barber	do.	1927	323	4,2	--
13	½ mile northeast	Tillman Fitzgerald	Amos Jennische	1925	510	4,2	0.0 1.0
14	do.	Max Brown	do.	1921	278	2	--
15	do.	Temple Fitzgerald	do.	1914	217	2	1.5
16	¾ mile northeast	Old River Rice Co.	do.	1917	373	4	--
17	¼ mile northeast	Crumpler Bros.	Homer Wright	1938	304	7	--
18	do.	do.	do.	1934	603	9	0.5
19	do.	do.	do.	1935	254	9	0.7
20	do.	do.	do.	1935	281	6	1.0
21	½ mile west	E. W. Winfree	Amos Jennische	1914	130	--	--
22	do.	O. K. Winfree	--	1910	59	4	1.5
23	1 mile southwest	Atlantic Refining Co.	Atlantic Refining Co.	1938	500	5	--

a/ Plus (+) indicates water level is above ground.
b/ Pump or lift: T, turbine; Cf, centrifugal; Gl, gas lift; A, air lift; C, cylinder; B, rope and bucket.
Power: E, electric; G, gasoline engine; D, diesel; S, steam; W, windmill; H, hand. Figure indicates horsepower.

Chemical analyses of water from these wells are shown in a table of analyses.

Well No.	Water level: Below measuring point (ft.) a/	Water level: Date of measurement	Method of lift b/	Use of water c/	Remarks
1	5.58	Mar. 10, 1941	C,H	D,S	Cased to bottom. Sand from 51 to 55 feet.
2	25.26	Apr. 2, 1941	C,W	S	Casing: 60 feet of 4-inch; 180 feet of 2-inch. Screen from 240 to 250 feet.
3	3.27	Mar. 10, 1941	C,W	D,S	Cased to bottom. Sand from 47 to 50 feet.
4	32.94	Apr. 2, 1941	C,H	D,S	Casing: 60 feet of 4-inch; 119 feet of 2-inch. Screen from 179 to 185 feet.
5	3.71	Mar. 26, 1941	C,W	D,S	
6	4.73	do.	C,H	D,S	
7	11.45	Mar. 7, 1941	C,H	D,S	Cased to bottom.
8	1.56	Mar. 26, 1941	C,W	S	
9	8.21	Mar. 7, 1941	C,H	P	Supplies school.
10	40.14	Mar. 26, 1941	C,H	D,S	Converted oil test.
11	--	--	C,E, 1	D,S	See log.
12	--	--	Cf,E, 1	D,S	Casing: 64 feet of 4-inch; 238 feet of 2-inch. Screen from 302 to 323 feet. See log.
13	d/ 5	1925	C,W	D	Casing: 60 feet of 4-inch; 440 feet of 2-inch. Screen from 500 to 510 feet. See log.
	39.94	Apr. 8, 1941			
14	--	--	--	--	Casing: 60 feet of 4-inch; 198 feet of 2-inch. Screen from 258 to 278 feet. Caved and abandoned. See log.
15	57.99	Apr. 8, 1941	A,E, 1	D,S	Casing: 40 feet of 4-inch; 167 feet of 2-inch. Screen from 207 to 217 feet. See log.
16	d/ 20	1917	--	--	Casing: 363 feet of 4-inch. Screen from 363 to 373 feet. Caved and abandoned. See log.
17	d/ 73	1938	A,G, --	P	Casing: 282 feet of 7-inch. Screen from 282 to 304 feet. Supplies Mt. Belvieu. See log.
18	43.66	Mar. 31, 1941	None	N	Casing: 520 feet of 9-inch. Water salty. See log.
19	50.68	do.	None	N	Cased to bottom. See log.
20	51.47	do.	None	N	Cased to bottom. Screen from 198 to 240 feet. See log.
21	--	--	--	--	Caved and abandoned. See log.
22	32.78	Mar. 26, 1941	C,W	D,S	Cased to bottom.
23	--	--	C,W	D,S	

c/ P, public supply; Ind, industrial; D, domestic; S, stock; N, none.
d/ Water level reported by driller or owner.

Records of wells in Chambers County--Continued

Well No.	Distance from Mt. Belvieu	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
24	¾ mile southeast	Asa Wilburn	Amos Jennische	1919	156	4,2	2.5
25	do.	Z. T. Wilburn	do.	1919	420	4,[illegible]	--
26	1¼ miles southeast	Sun Oil Co.	Sun Oil Co.	1929	626	6-5/8, 5	--
27	1½ miles southwest	Emery Barrow	Amos Jennische	1918	139	4,2	--
28	2 miles south	L. P. and Carl Smith	do.	1934	271	4,2	0.0
29	2¼ miles southwest	do.	do.	1922	347	4,2	0.0
30	2¾ miles southwest	K. M. Fitzgerald	do.	1919	368	4,2	0.0 2.0
31	3¼ miles southwest	Old River Rice Co.	do.	1914	355	2	--
32	3 miles southwest	Sol Donnelly	do.	1922	340	4,2	--
33	do.	R. E. Henerson	R. E. Henerson	1937	22	8	1.8
34	3 miles south	Austin Busch	--	Old	35	36	1.0
35	3¼ miles southwest	Antone Busch	Amos Jennische	1912	365	2	0 0 1.6
36	3¾ miles southwest	H. G. Kilgore	do.	1929	365	4,2	0.0 1.5
37	4 miles south	J. C. Donnelly	-- Donnelly	1895	305	3,2	0.0 0.5
38	4¼ miles south	J. H. Williams	Amos Jennische	1910	348	3,2	1.8
39	4¼ miles southwest	C. Airington	do.	1915	340	3	1.0
40	4½ miles southwest	Bud Donnelly	D. D. Proctor	1936	48	8	3.0
41	4¾ miles southwest	F. M. Fitzgerald	--	1927	336	4,2	0.0 2.5
42	4⅝ miles south	Will Donnelly	Amos Jennische	1918	355	4,2	--
43	5½ miles south	G. E. Troxell	do.	1934	292	4,2	--

Well No.	Water level: Below measuring point (ft.) a/	Water level: Date of measurement	Method of lift b/	Use of water c/	Remarks
24	31.93	Apr. 8, 1941	Gl	D,S	Casing: 40 feet of 4-inch; 106 feet of 2-inch. Screen from 146 to 156 feet. See log.
25	d/ 15	1919	--	--	Casing: 40 feet of 4-inch; 370 feet of 2-inch. Screen from 410 to 420 feet. Caved and abandoned. See log.
26	--	--	A,E, 5	D	Casing: 569 feet of 6-5/8-inch; 92 feet of 5-inch liner. Lead seal from 530 to 534 feet. Screen from 581 to 626 feet.
27	--	--	--	--	Casing: 40 feet of 4-inch; 89 feet of 2-inch. Screen from 129 to 139 feet. Caved and abandoned. See log.
28	d/ 12	Mar. 1940	C,W	D,S	Cased to bottom. Screen from 261 to 271 feet.
29	d/ 3	1922	--	--	Casing: 40 feet of 4-inch; 292 feet of 2-inch. Screen from 332 to 347 feet. Caved and abandoned. See log.
30	d/ 20 3.45	1933 Apr. 2, 1941	A,G, 3½	D,S	Casing: 40 feet of 4-inch, 313 feet of 2-inch. Screen from 353 to 368 feet. See log.
31	--	--	--	--	Cased to bottom. Reported flow 50,000 gallons a day when drilled. Casing obstructed at 35 feet. See log.
32	--	--	--	--	Casing: 40 feet of 4-inch; 280 feet of 2-inch. Screen from 320 to 340 feet. Caved and abandoned. See log.
33	2.96	Mar. 27, 1941	C,H	S	Cased to bottom. Weak supply.
34	0.46	do.	C,W	S	Dug well. Formerly supplied 250 head of cattle. Caved at 17 feet.
35	d/ 1.5 47.33	1912 Apr. 5, 1941	A,G, --	D,S	Casing: 343 feet of 2-inch. Screen from 343 to 365 feet. Altitude of measuring point 30.72 feet.
36	d/ 33 47.30	1935 Apr. 2, 1941	A,G, 2	D,S	Casing: 40 feet of 4-inch; 310 feet of 2-inch. Screen from 350 to 365 feet.
37	d/ 32 43.01	1935 Apr. 2, 1941	A,G, 4	D,S	Casing: 40 feet of 3-inch; 245 feet of 2-inch. Screen from 285 to 305 feet.
38	44.36	Mar. 27, 1941	C,W	D,S	Casing: 150 feet of 3-inch; 178 feet of 2-inch Screen from 328 to 348 feet. Altitude of measuring point 28.70 feet.
39	45.63	Apr. 2, 1941	A,E, ⅝	D,S	Casing: 90 feet of 3-inch.
40	20.32	Mar. 4, 1941	B	S	Cased to bottom.
41	d/ 32 47.25	1927 Apr. 2, 1941	A,E, ¾	D,S	Casing: 50 feet of 4-inch; 271 feet of 2-inch. Screen from 321 to 336 feet.
42	--	--	--	--	Casing: 40 feet of 4-inch; 295 feet of 2-inch. Screen from 335 to 355 feet. Caved and abandoned. See log.
43	d/ 25	1934	C,W	D,S	Casing: 40 feet of 4-inch; 236 feet of 2-inch. Screen from 276 to 292 feet.

Records of wells in Chambers County--Continued

Well No.	Distance from Mt. Belvieu	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
44	5¾ miles south	Old River Rice Co.	Amos Jennische	1918	290	4,2	1.0
45	do.	J. N. Nelson	do.	1934	282	4,2	1.0
46	5½ miles south	S. R. Williams	C. A. Williams	1931	200	4,2	2.2
47	6 miles southwest	Kirby Petroleum Co.	Old River Canal Co.	1911	500	3	2.5 2.5
48	6¼ miles south	Iva Lee Kilpatrick	Amos Jennische	1940	85	3,2	0.0
49	6½ miles southwest	S. R. Williams	C. A. Williams	1933	375	4,2	0 8
50	7 miles southwest	J. W. Frymire	J. W. Frymire	--	70	6	0.5
51	7½ miles southwest	C. Vickers	Amos Jennische	1925	346	4,2	0.0 2.3
52	7¾ miles southwest	Dick Haden	--	1939	22	5	0.4
53	do.	J. M. Fisher	--	--	25	5	1.6
54	8 miles southwest	do.	Amos Jennische	1926	508	4,2	--
55	do.	Old River Rice Co.	do.	1917	520	2	0.0
56	do.	Joe Syer	do.	1939	90	4,2	0.0
57	do.	J. W. Wilburn	do.	1931	410	2	0.0 1.7
58	8¼ miles southwest	A. M. Wilburn	--	--	18	30	0.0
59	8½ miles southwest	E. R. Kilgore	--	1906	212	2	0.0
60	8¾ miles southwest	Chas. Kilgore	Amos Jennische	1910	72	3	--
61	do.	Fisher Est.	do.	1939	90	4,2	1.0
62	9 miles south	Odell Fisher	do.	1926	96	4,2	0.0 1.0
63	do.	B. D. Fisher	do.	1926	97	4,2	0.0
64	10 miles southwest	Wilburn Bros.	do.	1940	97	4	1.0
65	9¾ miles south	M. Fisher	C. A. Williams	1928	90	4	2.3

Well No.	Water level: Below measuring point (ft.) a/	Water level: Date of measurement	Method of lift b/	Use of water c/	Remarks
44	10.51	Apr. 2, 1941	None	N	Casing: 40 feet of 4-inch; 235 feet of 2-inch. Screen from 275 to 290 feet. See log.
45	16.53	do.	C,E, 1/2	D,S	Casing: 40 feet of 4-inch; 222 feet of 2-inch. Screen from 262 to 272 feet.
46	9.33	Mar. 6, 1941	C,H	D,S	Casing: 60 feet of 4-inch; 120 feet of 2-inch. Screen from 180 to 200 feet.
47	20.85	Mar. 4, 1941	C,H	N	Altitude of measuring point 14.77 feet.
	21.24	Apr. 16, 1941			
48	10.20	Apr. 5, 1941	None	N	Casing: 40 feet of 3-inch; 39 feet of 2-inch. Screen from 79 to 85 feet.
49	33.98	Mar. 4, 1941	C,W	D,S	Casing: 60 feet of 4-inch; 315 feet of 2-inch. Screen from 297 to 315 feet. Abandoned well near by drilled to same depth flowed from 1900 to 1918.
50	20.88	do.	C,H	S	Cased to bottom.
51	d/ 25	1929	A,E, 3/4	D,S	Casing: 40 feet of 4-inch; 291 feet of 2-inch. Screen from 331 to 346 feet. See log.
	34.72	Apr. 5, 1941			
52	11.50	Mar. 4, 1941	C,H	D,S	Cased to bottom. Small supply.
53	13.46	Apr. 5, 1941	None	N	
54	d/ 5	Sept. 1926	--	--	Casing: 60 feet of 4-inch; 438 feet of 2-inch. Screen from 498 to 508 feet. Caved and abandoned. See log.
55	d/ +	1917	--	--	Cased to bottom. Caved and abandoned. See log.
56	d/ 17	1939	C,W	D,S	Cased to bottom. Screen from 30 to 90 feet.
57	d/ 20	1931	A,G, 3	D,S	Cased to bottom. Screen from 395 to 410 feet. Sands from 30 to 35, 60 to 63, 80 to 84, 88 to 96 and 390 to 410 feet. Altitude of measuring point 16.18 feet.
	46.23	Apr. 15, 1941			
58	10.70	Mar. 13, 1941	None	N	Dug well. Cased with brick to bottom.
59	8.70	Apr. 4, 1941	C,W	D,S	Cased to bottom. Flowed until 1926.
60	--	--	None	N	Casing: 62 feet of 3-inch. Screen from 62 to 72 feet.
61	23.90	Mar. 4, 1941	C,W	N	Cased to bottom. Screen from 80 to 90 feet. Sand from 70 to 90 feet.
62	d/ 20	1926	C,W	D,S	Casing: 40 feet of 4-inch; 36 feet of 2-inch. Screen from 76 to 96 feet. See log.
	27.19	Apr. 5, 1941			
63	d/ 24	Nov. 1926	C,W	D,S	Casing: 40 feet of 4-inch; 47 feet of 2-inch. Screen from 87 to 97 feet. See log.
64	17.39	Apr. 5, 1941	C,W	D,S	
65	25.91	Mar. 22, 1941	C,W	D,S	Cased to bottom. Screen from 70 to 90 feet.

Records of wells in Chambers County--Continued

Well No.	Distance from Mt. Belvieu	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
66	10¼ miles south	Kilgore Est.	C. A. Williams	1936	100	4	0.5
67	10¾ miles south	Asa Wilburn	Amos Jennische	1919	94	3	0.5
68	11 miles south	do.	do.	1926	550	4,2	0.0
							2.9
69	12¼ miles south	Chas. Kilgore	do.	1939	90	4,2	1.8
70	do.	Mrs. L. L. Jerrell	do.	1939	429	4,2	0.0
71	do.	Whitie Algram	do.	1933	82	4,2	0.7
72	12¾ miles south	Atlantic Pipe Line Co.	C. A. Williams	1932	638	4,3	0.7
73	do.	W. H. Fisher	Amos Jennische	1939	93	4,2	0.0
74	13¼ miles south	Chas. Kilgore	--	--	11	4	2.5
75	13 miles south	do.	Amos Jennische	1939	550	2	0.0
							1.1
73	12¾ miles south	S. C. Fisher	do.	1937	98	4	1.0
77	13½ miles south	Houston YMCA	--	1923	630	8	0.0
78	do.	Dr. -- Ledbetter	Amos Jennische	1940	630	4,2	0.0
79	do.	Camp Allen	C. A. Williams	1926	600	4,2½	0.0
80	do.	Paul B. Miller	Amos Jennische	1941	100	4,2	0.0
81	13 miles south	R. A. Wolf	C. A. Williams	1930	600	4,2½	0.5
82	12¾ miles south	H. Harper	H. Harper	1936	40	6	1.0
83	do.	John Beazley	Amos Jennische	1938	100	4	1.0
84	12¼ miles south	F. A. Farda Est.	C. A. Williams	1931	755	4,2½	0.0
85	do.	J. B. Wilburn Est.	Amos Jennische	1936	96	4	0.7
86	12 miles south	do.	do.	1934	96	4	0.6

Well No.	Water level: Below measuring point (ft.) a/	Water level: Date of measurement	Method of lift b/	Use of water c/	Remarks
66	18.10	Mar. 4, 1941	C,H	D,S	Cased to bottom. Sand from 80 to 100 feet.
67	16.38	Apr. 5, 1941	C,W	S	See log.
68	d/ 25	1926	A,G, 3	D,S	Cased to bottom. Screen from 535 to 550 feet. Altitude of measuring point 16.38 feet.
	59.08	Apr. 6, 1941			
69	23.10	Apr. 9, 1941	C,W	S	Casing: 40 feet of 4-inch; 40 feet of 2-inch. Screen from 80 to 90 feet.
70	d/ 52	July 1939	C,E, 1	D,S	Casing: 100 feet of 4-inch; 314 feet of 2-inch. Screen from 414 to 429 feet.
71	8.60	Mar. 13, 1941	C,E, ¼	D,S	Cased to bottom. Screen from 72 to 82 feet.
72	62.27	Jan. 8, 1941	C,E, ½	D,S	Casing: 60 feet of 4-inch; 570 feet of 3-inch. Screen from 630 to 638 feet. Altitude of measuring point 18.76 feet. Supplies camp.
73	d/ 18	July 1939	C,G, ¼	S	Casing: 40 feet of 4-inch; 43 feet of 2-inch. Screen from 83 to 93 feet. Sand from 60 to 93 feet.
74	7.68	Mar. 28, 1941	C,W	S	
75	d/ 55	1939	A,E, 1	D,S	Cased to bottom. Screen from 535 to 550 feet. Altitude of measuring point 24.27 feet.
	60.57	Apr. 9, 1941			
76	25.42	Mar. 13, 1941	None	N	Cased to bottom. Screen from 88 to 98 feet.
77	d/ 30	1936	A,E, 3	P,S	Yield 25 gallons a minute. Supplies camp.
78	d/ 55	1940	-,E, --	D,S	Cased to bottom. Screen from 615 to 630 feet. Yields some gas.
79	d/ 20	1926	C,E, --	D	Casing: 60 feet of 4-inch; 520 feet of 2½-inch. Screen from 580 to 600 feet.
	d/ 40	1931			
	d/ 55	1941			
80	d/ 24	Mar. 7, 1941	Cf,E, 1	S	Cased to bottom. Screen from 90 to 100 feet.
81	52.63	Mar. 20, 1941	C,E, ½	D,S	Casing: 80 feet of 4-inch; 500 feet of 2½-inch. Screen from 580 to 600 feet. Altitude of measuring point 21.59 feet.
82	13.40	do.	C,H	D	Cased to bottom. Altitude of measuring point 21.63 feet.
83	19.47	do.	C,E, ¼	D,S	Yield, 15 gallons a minute. Sand from 80 to 100 feet. Altitude of measuring point 21.21 feet.
84	d/ 30	1931	A,E, 2	D	Casing: 80 feet of 4-inch; 655 feet of 2½-inch. Screen from 735 to 755 feet. See log.
85	18.06	Apr. 8, 1941	C,E, ½	D	
86	20.35	Mar. 21, 1941	Cf,E, 1	D,S	

Records of wells in Chambers County--Continued

Well No.	Distance from Mt. Belvieu	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
87	11¾ miles south	Optimist Boys Club	Layne-Texas Co.	1938	453	5	0.0
88	11½ miles south	Dr. -- Brown	Amos Jennische	1924	400	--	0.0
89	do.	John Beazley	do.	1939	167	4,2	0.5
90	11 miles south	Mrs. R. J. Thompkins	W. Evans	1940	175	3	1.0
91	do.	Theo Wilburn	do.	1939	190	3	--
92	10¾ miles south	A. M. Wilburn	C. A. Williams	--	100	4	1.0
93	10¼ miles south	J. C. Fowler	Amos Jennische	1920	105	4	1.0
94	10½ miles south	G. C. Connor	G. C. Connor	1939	15	60	0.0
95	10¼ miles south	Temple Fitzgerald	Amos Jennische	1937	190	4	--
96	10 miles south	C. K. Barber	do.	1937	190	4,2	1.0
97	9¾ miles south	Pat Higgins	--	--	--	4	--
98	9 miles south	Max Brown	Amos Jennische	1917	110	4,2	2.0
99	9¼ miles south	S. Fisher	--	1929	30	8	2.4
100	9 miles southeast	W. F. Lawrence	Jim Avera	1936	196	4,2	0.0
101	8½ miles south	Unknown	James Jennische	1931	41	4	1.8
102	8 miles south	Collier and Troxell	Amos Jennische	1937	180	3	0.0
103	8¾ miles southeast	Ebb Fisher	do.	1933	198	4,2	--
104	9 miles southeast	Irvin Bishop	do.	1929	192	4,2	0.0
105	8¼ miles southeast	O. D. Barrow	do.	1940	180	4,2½	1.2
106	do.	Dr. -- Shear	do.	1928	240	4,2	0.8
107	do.	E. E. Barrow	Luther Patterson	1940	240	4	0.0 2.3
108	do.	do.	Amos Jennische	1927	240	4,2	1.8
109	8 miles southeast	Irvin Bishop	do.	1915	634	2	0.0
110	7½ miles southeast	E. E. Barrow	do.	1938	140	4,2	0.0

Well No.	Water level: Below measuring point (ft.) a/	Water level: Date of measurement	Method of lift b/	Use of water c/	Remarks
87	d/ 22.5	May 12, 1938	C,E, 1½	P	Casing: 417 feet of 5-inch. Screen: 21 feet of 5-inch. Supplies camp in summer.
88	d/ 2	Sept. 1924	--	--	Caved and abandoned. See log.
89	19.00	Mar. 21, 1940	C,E, ¼	D,S	Casing: 40 feet of 4-inch; 117 feet of 2-inch. Screen from 157 to 167 feet. Sands from 0 to 15 and 152 to 167 feet.
90	20.09	Mar. 6, 1941	C,H	D,S	
91	--	--	C,W	D,S	
92	25.77	Mar. 22, 1941	C,W	S	
93	26.03	do.	C,W	D,S	Cased to bottom. Screen from 90 to 105 feet. See log.
94	1.30	Mar. 21, 1941	C,H	D,S	Dug well. Cased to bottom.
95	--	--	C,W	D	Sand from 178 to 190 feet.
96	18.15	Mar. 21, 1941	C,W	D	Casing: 40 feet of 4-inch; 140 feet of 2-inch. Screen from 180 to 190 feet.
97	--	--	C,G, 2½	D	
98	d/ 20	1917	C,W	S	Casing: 40 feet of 4-inch; 60 feet of 2-inch. Screen from 100 to 110 feet.
	29.79	Apr. 8, 1941			
99	8.25	Mar. 6, 1941	C,H	N	Cased to bottom.
100	d/ 25	1936	C,W	D,S	Casing: 60 feet of 4-inch; 124 feet of 2-inch. Screen from 184 to 192 feet. See log.
101	29.10	Mar. 27, 1941	C,W	S	
102	d/ 22	1937	C,W	D,S	Cased to bottom. Screen from 175 to 180 feet.
103	--	--	C,W	D,S	Casing: 40 feet of 4-inch; 148 feet of 2-inch. Screen from 188 to 198 feet.
104	d/ 20	1939	C,W	D,S	Cased to bottom. Screen from 182 to 192 feet.
105	26.89	Mar. 6, 1941	C,W	D,S	Cased to bottom. Screen from 174 to 180 feet.
106	19.91	Mar. 29, 1941	C,H	D	Cased to bottom. Screen from 230 to 240 feet.
107	d/ 20	May 8, 1940	None	N	Cased to bottom. Screen from 319 to 340 feet. Reported former yield 500 gallons a minute with air lift. See log.
	30.53	Mar. 28, 1941			
108	24.45	Mar. 6, 1941	C,W	N	Cased to bottom. Screen from 230 to 240 feet.
109	d/ 40	1939	C,W	D,S	Cased to bottom. Screen from 614 to 634 feet. Reported flow 30,000 gallons a day when drilled.
110	d/ 18	1938	C,W	D,S	Cased to bottom. Screen from 130 to 140 feet. Sand from 115 to 140 feet. See log.

Records of wells in Chambers County--Continued

Well No.	Distance from Mt. Belvieu	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
111	7 miles south	C. V. Lawrence	Homer Wright	--	400	4	3.5
112	7¼ miles southeast	Amos Lawrence Est.	Amos Jennische	1913	399	2	0.5
113	8 miles southeast	L. H. Dunn	do.	1931	400	4,2	0.0
114	7 miles southeast	Elmer Barber Est.	do.	1931	400	4,2	0.0
115	do.	C. V. Lawrence Est.	Homer Wright	1940	400	4	--
116	do.	V. A. Lawrence	Luther Patterson	1939	429	4	3.1
117	6½ miles southeast	do.	Jim Avera	1936	286	4	0.0
118	do.	do.	L. R. Pitre	1938	443	4	0.0 2.5
119	do.	Salt Dome Oil Corp.	Homer Wright	1938	475	5-3/16	5.0
120	6 miles southeast	V. A. Lawrence	--	Old	556	3	0.0
121	5¼ miles southeast	Mrs. Phillip Howard	--	Old	18	22	0.4
122	4¾ miles southeast	Old River Rice Co.	Amos Jennische	1917	179	4	--
123	4 miles southeast	Texas Progress Co.	do.	1933	175	4,2	2.8
124	4¼ miles southeast	Ben Dutton	do.	1933	143	4,2	1.1
125	4 miles southeast	do.	C. A. Williams	1926	183	4,2	0.0
126	3¾ miles southeast	Kirby Petroleum Co.	A. Wolf	1938	26	2½	2.6
127	4 miles southeast	K. D. Carmody	Jim Avera	1937	150	--	--
128	do.	Jack Rosenau	do.	1936	149	4	1.3
129	do.	C. O. Williams	do.	1936	488	4,3	0.0 1.5
130	4¼ miles southeast	C. D. Harman	Amos Jennische	1939	125	4,2	0.7
131	4¾ miles southeast	Ernest Winfree	C. A. Williams	1935	402	--	--
132	5 miles southeast	do.	Amos Jennische	1918	222	4,2	2.0

Well No.	Water level: Below measuring point (ft.) a/	Water level: Date of measurement	Method of lift b/	Use of water c/	Remarks
111	26.80	Apr. 16, 1941	None	N	Formerly supplied drilling rig.
112	+	do.	Flows	S	Cased to bottom. Screen from 379 to 399 feet. Reported flow 50,000 gallons a day when drilled.
113	--	--	Flows	D,S	Casing: 40 feet of 4-inch; 345 feet of 2-inch. Screen from 385 to 400 feet. Reported flow, 25,000 gallons a day when drilled. See log.
114	d/ +	1931	Flows	S	Do.
115	--	--	C,W	S	Cased to bottom.
116	39.78	Mar. 28, 1941	Gl	D,S	Cased to bottom. Screen from 407 to 429 feet. Altitude of measuring point 29.91 feet. Reported yield 200 gallons a minute. Supplies drilling rig. See log.
117	d/ 20	Mar. 10, 1936	--	--	Cased to bottom. Screens from 232 to 244, and 266 to 286 feet. Reported yield 200 gallons a minute. Formerly supplied drilling rig. Caved and abandoned.
118	d/ 38	1938	Gl	--	Cased to bottom. Screen from 422 to 443 feet. Altitude of measuring point 33.47 feet. Reported yield 200 gallons a minute. Supplies drilling rig. See log.
	45.25	Mar. 28, 1941			
119	48.44	Apr. 19, 1941	Gl	D,S	Cased to bottom. Screen from 453 to 475 feet. Altitude of measuring point 36.80 feet. Supplies camp. See log.
120	d/ 40	1937	C,G, --	D,S	Sand from 536 to 566 feet. Flowed until 1910.
121	1.25	Mar. 21, 1941	C,W	D,S	
122	d/ 22	Nov. 1917	--	--	Cased to bottom. Screen from 169 to 179 feet. Formerly supplied 600 head of cattle. Caved and abandoned. See log.
123	26.16	Apr. 9, 1933	Gl	D	Cased to bottom. Screen from 165 to 175 feet
124	18.38	Mar. 5, 1941	C,W	D,S	Cased to bottom. Screen from 132 to 142 feet. See log.
125	30	1926	Cf,E, $\frac{1}{4}$	D,S	Casing: 60 feet of 4-inch; 103 feet of 2-inch. Screen from 163 to 183 feet. Formerly supplied 500-600 head of cattle.
126	3.90	Mar. 28, 1941	C,H	D,S	
127	d/ 20	1937	C,W	D,S	
128	17.73	Apr. 9, 1941	--	--	Cased to bottom. Screen from 143 to 149 feet. Caved and abandoned. See log.
129	d/ 8	1936	C,G, $1\frac{1}{2}$	D,S	Casing: 120 feet of 4-inch; 358 feet of 3-inch. $2\frac{1}{2}$-inch screen from 478 to 488 feet. See log.
	17.40	Mar. 5, 1941			
130	18.57	Mar. 5, 1941	C,W	D,S	Cased to bottom. Screen from 115 to 125 feet.
131	--	--	C,W	S	See log.
132	25.97	Apr. 8, 1941	None	N	Casing: 40 feet of 4-inch; 172 feet of 2-inch. Screen from 212 to 222 feet. See log.

Records of wells in Chambers County--Continued

Well No.	Distance from Mt. Belvieu	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
133	4½ miles southeast	Luther J. Oman	Amos Jennische	1933	120	4,2	0.6
134	5¼ miles southeast	J. B. Wilburn Est.	--	1916	29	24	0.0
135	7½ miles southeast	Chas. Lawrence	Amos Jennische	1911	396	2	0.0
136	5½ miles southeast	C. J. Wilburn	C. J. Wilburn	1937	37	4	1.4
137	5½ miles southeast	R. F. McKay	--	1928	100	4	--
138	5 miles southeast	W. B. McKay	C. A. Williams	1927	126	4,2	--
139	4½ miles southeast	C. T. Joseph Est.	Jim Avera	1936	512	4,2	0.0 0.7
140	4¾ miles southeast	Hugh Welch	do.	1935	501	4½,2	0.0 0.8
141	5 miles southeast	C. T. Joseph Est.	Amos Jennische	1910	508	2	0.0
142	do.	W. M. Joseph	do.	1937	125	2	0.8
143	7½ miles east	Mayes Est.	Highway Dept.	1941	81	--	--
144	7 miles east	do.	do.	1941	59	--	--
145	6¾ miles east	do.	do.	1941	83	--	--
146	6¼ miles east	do.	do.	1941	52	--	--
147	6 miles southeast	do.	do.	1941	63	--	--
148	5½ miles southeast	do.	do.	1941	80	--	--
149	5 miles southeast	do.	do.	1941	46	--	--
150	5 miles east	Pure Oil Co.	C. A. Williams	--	500	5	2.0
151	4¾ miles east	Will Icet	Amos Jennische	1913	492	2	1.5
152	do.	H. C. Icet	C. A. Williams	1926	370	4,2	0.0 0.0
153	4½ miles east	Mrs. -- Wallace	do.	1926	175	4,2	0.0 3.3

Well No.	Water level: Below measuring point (ft.) a/	Water level: Date of measurement	Method of lift b/	Use of water c/	Remarks
133	21.48	Mar. 5, 1941	C,H	D,S	Cased to bottom. Screen from 110 to 120 feet.
134	9.95	Mar. 25, 1941	None	N	Dug well. Cased to bottom.
135	+	Mar. 31, 1941	Flows	S	Cased to bottom. Screen from 376 to 396 feet. Reported flow 75,000 gallons a day when drilled. Sands from 10 to 30, 80 to 95, 190 to 220 and 356 to 396 feet.
136	21.53	Mar. 25, 1941	C,H	D,S	Cased to bottom.
137	--	--	C,W	D,S	Do.
138	d/ 26	--	C,W	D,S	Casing: 60 feet of 4-inch; 46 feet of 2-inch. Screen from 106 to 126 feet.
139	d/ 21	1936	C,W	D,S	Casing: 69 feet of 4-inch; 430 feet of 2-inch. Screen from 502 to 512 feet. Altitude of measuring point 33.44 feet. See log.
	30.25	Apr. 18, 1941			
140	d/ 17	1935	C,H	D,S	Casing: 65 feet of 4½-inch; 424 feet of 2-inch. Screen from 489 to 501 feet. Altitude of measuring point 30.73 feet. See log.
	26.35	Apr. 18, 1941			
141	d/ +	1910	--	--	Cased to bottom. Screen from 488 to 508 feet. Reported flow 50,000 gallons a day when drilled
142	27.90	Apr. 8, 1941	A,G, 2	P	Cased to bottom. Screen from 107 to 125 feet. Supplies town of Cove. Caved and abandoned. See log.
143	--	--	--	--	Highway inspection test hole, uncased. See log.
144	--	--	--	--	Do.
145	--	--	--	--	Do.
146	--	--	--	--	Do.
147	--	--	--	--	Do.
148	--	--	--	--	Do.
149	--	--	--	--	Do.
150	9.44	Apr. 18, 1941	C,G, 5	D,S	Cased to bottom. 3½-inch screen from 480 to 500 feet. Altitude of measuring point 14.11 feet. Flowed when drilled.
151	27.58	do.	C,H	D,S	Cased to bottom. Screen from 482 to 492 feet. Altitude of measuring point 32.26 feet. Reported flow, 25,000 gallons a day when drilled. See log.
152	d/ 10	1926	C,G, 2½	D,S	Casing: 80 feet of 4-inch; 270 feet of 2-inch. Screen from 350 to 370 feet. See log.
	d/ 22	1940			
153	d/ 20	1926	None	N	Casing: 60 feet of 4-inch; 95 feet of 2-inch. Screen from 155 to 175 feet.
	29.33	Mar. 5, 1941			

Records of wells in Chambers County--Continued

Well No.	Distance from Mt. Belvieu	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
154	4¼ miles northeast	Chambers County	--	1937	32	6	1.0
155	3¾ miles northeast	Bill Dillard	Bill Dillard	1937	68	5	1.8
156	3½ miles northeast	D. T. Dugat	Mike Redland	1939	120	3,2	1.0
157	do.	Frank Steadham	C. A. Williams	1940	60	4	1.2
158	3 miles northeast	Jim Green	--	--	25	3	1.4
159	2½ miles northeast	O. E. Barber	O. E. Barber	1908	21	4	1.9
160	4 miles northeast	H. B. Bice	Amos Jennische	1937	125	4,2½	1.6
161	4¼ miles northeast	R. C. Lawrence	R. C. Lawrence	1931	47	6	2.5
162	4½ miles northeast	J. D. Franzen Est.	--	1931	100	4,2	0.4
163	5¼ miles northeast	J. B. Green	J. B. Green	1940	39	6	2.6
164	7½ miles northeast	Mayes Est.	Rock Sandlin Oil Co.	1927	--	8	3.0

Well No.	Distance from Anahuac	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
165	8½ miles northwest	Mrs. J. C. McManus	-- McManus	1926	25	1½	3.0
166	7¾ miles north	United States Government	J. F. Abshier	1937	96	4	1.7
167	7 miles north	Elder Sherman	-- Chambliss	--	131	4	2.3
168	6¾ miles north	E. H. Sherman	W. W. Collins	1916	500	10	0.0
169	6½ miles north	W. W. Collins	do.	1916	28	1¼	2.6
170	5¼ miles northwest	Chambers County	--	1938	30	4	3.0
171	5 miles northwest	do.	--	--	30	3	3.1
172	do.	United States Government	J. F. Abshier	1937	27	2	0.5
173	5½ miles northwest	Mayes Est.	Warmer Bros.	1899	405	3	--
174	6½ miles northwest	do.	Highway Dept.	1941	143	--	0.0
175	do.	do.	do.	1941	184	--	--
176	5¾ miles northwest	do.	Warmer Bros.	1899	385	4	--

Well No.	Water level: Below measuring point (ft.) a/	Water level: Date of measurement	Method of lift b/	Use of water c/	Remarks
154	19.10	Mar. 5, 1941	C,H	P	Casing: 18 feet of 6-inch. Screen from 18 to 32 feet. Supplies school.
155	27.47	do.	B	S	
156	28.30	do.	C,H	D,S	Cased to bottom. Screen from 112 to 120 feet.
157	30.26	Mar. 14, 1941	C,W	D,S	Cased to bottom. Casing perforated from 34 to 40 and 54 to 60 feet.
158	3.71	do.	C,H	D,S	
159	6.35	do.	C,H	D,S	Cased to bottom.
160	25.36	do.	C,H	D,S	Casing: 70 feet of 4-inch; 45 feet of 2½-inch. Screen from 115 to 125 feet. Sand from 102 to 125 feet.
161	28.38	do.	C,H	D,S	Cased to bottom.
162	26.89	do.	C,H	D,S	Casing: 50 feet of 4-inch; 38 feet of 2-inch. Screen from 88 to 100 feet.
163	33.96	do.	B	D,S	Cased to bottom.
164	d/ +	1940	None	N	Formerly used to supply drilling rig for oil test.

Well No.	Water level: Below measuring point (ft.) a/	Water level: Date of measurement	Method of lift b/	Use of water c/	Remarks
165	13.74	July 1, 1941	C,H	D,S	Cased to bottom. Sand point from 22 to 25 feet.
166	30.01	Apr. 1, 1941	C,W	S	Cased to bottom. Supplies dipping vat No. 44.
167	25.84	June 19, 1941	C,H	D,S	
168	d/6 +	1916	--	--	Oil test. Caved and abandoned.
169	19.33	Apr. 25, 1941	C,H	D,S	Cased to bottom.
170	17.49	July 1, 1941	C,H	P	Cased to bottom. Supplies school.
171	20.74	Apr. 24, 1941	C,H	P	Supplies school.
172	14.49	do.	None	--	Cased to bottom. Supplies dipping vat No. 15.
173	--	--	--	--	Flowed until 1937. Caved and abandoned.
174	d/ +	1941	--	--	Highway inspection test hole, uncased. Small flow from sand at 108 feet. See log.
175	--	1941	--	--	Highway inspection test hole, uncased. See log.
176	--	--	--	--	Cased to bottom. Flowed until 1937. Caved and abandoned.

Records of wells in Chambers County--Continued

Well No.	Distance from Anahuac	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
177	5½ miles northwest	United States Government	J. F. Abshier	1937	80	2	0.0
178	5¼ miles northwest	Mrs. W. A. Beckwith	Homer Wright	1940	128	5	1.5
179	5 miles northwest	Josh Mayes	Amos Jennische	1911	515	2	2.0
180	4¼ miles northwest	United States Government	J. F. Abshier	1937	118	2	0.2
181	4¾ miles north	B. Barnes	Geo. Abshier	1937	155	2	0.7
182	4½ miles north	Stanolind Oil & Gas Co.	L. B. Pitre	1936	227	4	0.3
183	do.	do.	Layne-Texas Co.	1940	140	7-5/8, 5	--
184	4¼ miles north	Sun Oil Co.	Sun Oil Co.	1935	1,252	10¾	--
185	do.	do.	do.	--	1,326	--	--
186	4 miles north	do.	do.	--	1,294	--	--
187	3¾ miles north	Stanolind Oil & Gas Co.	Stanolind Oil & Gas Co.	1936	1,146	14¾	--
188	3½ miles northeast	H. W. Wilcox	Geo. Abshier	1934	90	2	--
189	4 miles northeast	United States Government	do.	1937	454	2	0.7
190	3¾ miles northeast	White and Barrett	J. T. Jones	1926	1,500	--	--
191	3 miles northeast	E. W. Brown	do.	1935	115	2	0.0
192	2½ miles northeast	-- Helgemier	Geo. Abshier	1940	102	2	0.0
193	3¼ miles northeast	White and Barrett	J. T. Jones	1926	1,500	--	--
194	3 miles northeast	do.	do.	1926	1,100	--	--
195	do.	do.	do.	1926	1,032	--	--
196	2¾ miles northeast	United States Government	Geo. Abshier	1937	101	2	0.7
197	2½ miles northeast	Robert Watson	do.	1936	113	2	--
198	3 miles northeast	Dittman's Tourist Camp	J. F. Abshier	1932	350	2	1.3
199	2¼ miles northeast	G. H. Miles	Geo. Abshier	1940	110	2	0.8
200	2 miles northeast	Ezra Sherman	--	--	100	2	0.7

Well No.	Water level: Below measuring point (ft.) a/	Water level: Date of measurement	Method of lift b/	Use of water c/	Remarks
177	d/ 15	1937	None	N	Cased to bottom. Supplies dipping vat No. 45.
178	3.44	Apr. 24, 1941	C,E, --	D,S	Cased to bottom.
179	+ 4.20	July 15, 1941	Flows	D,S	Cased to bottom. Screen from 495 to 515 feet. Estimated flow 4,000 gallons a day. Sand from 16 to 39, 108 to 132, 230 to 240, 285 to 315, 345 to 375, and 485 to 515 feet. Reported flow 75,000 gallons a day when drilled.
180	15.86	July 1, 1941	None	N	Cased to bottom. Supplies dipping vat No. 26.
181	28.10	Apr. 25, 1941	C,H	D,S	Casing: 20 feet of 3-inch; 127 feet of 2-inch. Screen from 147 to 155 feet.
182	25.79	July 1, 1941	None	N	Cased to bottom. See log.
183	--	Apr. 24, 1941	C,E, 2	D,S	Casing: 83 feet of 7-5/8-inch; 23 feet of 5-inch. $3\frac{1}{2}$-inch screen from 83 to 106 feet.
184	--	--	None	N	Cased to bottom. Casing perforated from 1,035 to 1,090 feet. Used as disposal well for salt water from oil wells. See log.
185	--	--	--	--	Oil test. See log.
186	--	--	--	--	Do.
187	--	--	--	--	Oil test. Caved and abandoned. Electrical log available.
188	--	--	C,W	D,S	Cased to bottom. Screen from 80 to 90 feet.
189	12.20	May 15, 1941	None	N	Cased to bottom. Supplies dipping vat.
190	--	--	--	--	Oil test. Reported to have flowed when drilled. Coarse sand from 515 to 540 feet.
191	d/ 22	1935	C,H	D,S	Cased to bottom. Screen from 106 to 115 feet.
192	d/ 22	1940	C,E, $\frac{1}{4}$	D	Cased to bottom.
193	--	--	--	--	Oil test. Water in coarse sand from 480 to 500 feet.
194	--	--	--	--	Do.
195	--	--	--	--	Do.
196	22.05	May 15, 1941	None	N	Cased to bottom. Supplies B. E. Barrow dipping vat.
197	--	--	None	N	
198	8.02	May 2, 1941	Cf,E, $\frac{1}{4}$	D	Cased to bottom. Screen from 340 to 350 feet.
199	13.92	Apr. 25, 1941	None	N	Cased to bottom. Screen from 103 to 110 feet.
200	21.93	Apr. 22, 1941	C,E, $\frac{1}{4}$	D	

Records of wells in Chambers County--Continued

Well No.	Distance from Anahuac	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
201	1¾ miles northeast	Bell Tourist Camp	Geo. Abshier	1936	38	2	0.8
202	do.	do.	do.	1935	350	--	--
203	1½ miles northeast	City Cemetery	do.	1940	100	4	1.7
204	¾ mile northeast	J. C. Storms	Andy Frankland	1941	103	2½	--
205	In Anahuac	Lone Star Canal Co.	Layne-Texas Co.	1936	255	--	--
206	do.	Wilcox Est.	--	1892	840	4	0.0
207	do.	G. Chambliss	L. B. Pitre	1937	203	2	--
208	do.	do.	-- Fawcett	1936	110	2	--
209	do.	do.	Geo. Abshier	1936	95	2	0.0
210	do.	do.	-- Fawcett	1936	95	6	--
211	do.	do.	Geo. Abshier	1936	96	3	2
212	do.	do.	do.	1940	96	2	--
213	¾ mile southwest	J. O. Nelson	J. F. Abshier	1935	110	2	--
214	3 miles east	O. White	do.	1939	345	2	0.0
215	3¼ miles east	United States Government	do.	1937	357	2	0.8
216	3 miles east	W. Stockwell	do.	1939	347	2	0.7
217	2¼ miles southeast	Bob Bosque	--	1939	20	48	2.5
218	1 mile south	G. W. Scott	Geo. Abshier	1936	110	2	--
219	2 miles south	H. Faring	Andy Frankland	1940	105	3,2	0.0
220	4¼ miles southeast	A. D. Middleton	Jack White	1933	526	2½	0.0
221	3½ miles southeast	Unknown	Oscar White	--	25	6	1.0
222	4 miles southeast	H. H. Sudindorf	Harrison and Habbercoma	1935	125	--	--
223	5 miles southeast	Teresa Beverley	--	1940	11	48	2.0
224	3½ miles southeast	M. K. Smith	H. Guyrusky	1932	14	36	2.0
225	2½ miles south	United States Government	Geo. Abshier	1937	119	2	--
226	3 miles southeast	E. W. Sykes	do.	1936	138	2	0

Well No.	Water level: Below measuring point (ft.) a/	Water level: Date of measurement	Method of lift b/	Use of water c/	Remarks
201	1.08	Apr. 25, 1941	C,E, ½	D,S	Cased to bottom. Screen from 32 to 38 feet.
202	d/ 12	1936	--	--	Screen from 340 to 350 feet. Water highly mineralized. Pipe pulled in 1940.
203	20.90	Apr. 24, 1941	C,W	S	Cased to bottom.
204	d/ 24	Feb. 1941	C,S, --	Ind	Cased to bottom. Screen from 83 to 103 feet. Supplies 300 gallons a minute to saw mill.
205	d/ 9	Sept. 24, 1941	--	--	Sand from 207 to 249 feet. See log.
206	+ 8.12	Sept. 15, 1941	Flows	N	Drilled for saw mill. Estimated flow 4 gallons a minute. Altitude of measuring point 10.15 feet. Supplied city of Anahuac until 1950.
207	--	--	--	--	Cased to bottom. Screen from 173 to 203 feet. Caved and abandoned. See log.
208	--	--	None	N	Cased to bottom. Screen from 90 to 110 feet.
209	d/ 7	1939	C,D, 21	P	Cased to bottom. Screen from 85 to 95 feet. This well and wells 211 and 212 supply city of
210	--	--	None	N	Cased to bottom. Screen from 85 Anahuac. to 95 feet. Input well for overflow from city
211	6.89	July 24, 1941	C,E, 3	P	Cased to bottom. Screen from storage tank. 86 to 96 feet.
212	--	--	C,E, 3	P	Do.
213	--	--	Cf,E, ½	D,S	Cased to bottom. Screen from 94 to 110 feet.
214	d/ 6	1939	C,E, ¼	D,S	Cased to bottom. Screen from 335 to 345 feet.
215	6.60	Apr. 15, 1941	None	N	Cased to bottom. Supplies dipping vat No. 2.
216	6.03	May 2, 1941	C,E, ¼	D,S	Cased to bottom. Screen from 337 to 347 feet.
217	9.62	June 25, 1941	C,H	N	Dug well.
218	--	--	C,E, ½	D,S	Cased to bottom. Screen from 100 to 110 feet.
219	d/ 23	1940	Cf,E, 1	D,S	Casing: 20 feet of 3-inch; 75 feet of 2-inch. Screen from 95 to 105 feet.
220	d/ +	1933	C,W	S	Cased to bottom. Screen from 511 to 526 feet.
221	9.18	Apr. 11, 1941	C,H	D	
222	--	--	--	--	Water reported too highly mineralized for irrigation. Caved and abandoned.
223	4.65	June 3, 1941	B	D	Dug well.
224	6.04	Apr. 11, 1941	C,H	S	Dug well. Cased to bottom.
225	--	--	C,E, ¼	D,S	Cased to bottom. Supplies dipping vat No. 43.
226	8.16	May 8, 1941	C,E, ¼	D,S	Cased to bottom. Screen from 123 to 138 feet. Sand from 103 to 138 feet.

Records of wells in Chambers County--Continued

Well No.	Distance from Anahuac	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
227	4 miles southeast	Unknown	Andy Frankland	1939	30	1	--
228	4¼ miles southeast	M. K. Smith	The Texas Co.	1938	70	--	--
229	do.	Unknown	Sun Oil Co.	1939	70	--	--
230	4 miles southeast	do.	Andy Frankland	1939	255	--	--
231	5 miles southeast	Layne & Bowler	Layne & Bowler	1910	1,050	26,8	0

Well No.	Distance from Monroe City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
232	2 miles southeast	Humble Pipe Line Co.	Geo. Abshier	1935	40	4	0.0
233	do.	A. D. Middleton	do.	1935	567	2	0.0
234	2 miles southwest	do.	J. F. Abshier	1931	340	2½	0.0
235	¾ mile southeast	Humble Oil & Refining Co.	--	--	15	36	0.0
236	½ mile east	United States Government	Geo. Abshier	1937	445	2	0.9
237	In Monroe City	Humble Oil & Refining Co.	Luther Patterson	1935	51	6	--
238	do.	do.	do.	1939	63	6	--
239	do.	Sun Oil Co.	do.	1935	358	4	2.0
240	1½ miles west	Taylor White Est.	Jack White	1926	84	2½	1.0
241	2 miles northwest	White & Barrett	J. T. Jones	1926	1,500	--	--
242	1 mile northwest	Taylor White Est.	Jack White	1926	220	2	0.3
243	1½ miles north	Humble Oil & Refining Co.	Humble Oil & Refining Co.	1938	147	2½	3.0
244	2¾ miles northeast	United States Government	J. F. Abshier	1937	36	2	1.3
245	2¼ miles northwest	Taylor White Est.	Jack White	1926	240	1½	0.1
246	2¾ miles northwest	S. Roy White	--	1900	900+	3	--
247	3 miles northwest	do.	Jack White	1934	82	2½	1.2
248	4½ miles northwest	United States Government	Geo. Abshier	1937	90	2	1.5

Well No.	Water level: Below measuring point (ft.) a/	Water level: Date of measurement	Method of lift b/	Use of water c/	Remarks
227	--	--	C,W	S	Cased to bottom.
228	--	--	--	--	Seismograph test. Reported no water. Caved and abandoned.
229	--	--	--	--	Seismograph test. Caved and abandoned.
230	--	--	--	--	Drilled into logs in fine sand at 250 feet. Casing pulled and well abandoned.
231	5.43	Apr. 4, 1941	--	--	Supply above 869 feet inadequate for irrigation. Drilled to 1,050 feet and obtained a flow of salty water. Abandoned. See log.

Well No.	Water level: Below measuring point (ft.) a/	Water level: Date of measurement	Method of lift b/	Use of water c/	Remarks
232	d/ 10	1939	C,W	--	Cased to bottom. Supplies pump station.
233	d/ 0.0	1935	--	--	Cased to bottom. Screen from 557 to 567 feet. Water salty. Caved and abandoned.
234	d/ 13	1931	C,G, 3	D,S	Cased to bottom. Screen from 330 to 340 feet. Supplies dipping vat.
235	8.74	June 4, 1941	Cf,E, 5	D.S	Dug well.
236	6.34	May 2, 1941	None	N	Cased to bottom. Formerly supplied dipping vat No. 42.
237	--	--	--	--	Cased to bottom. Screen from 30 to 51 feet. See log.
238	--	--	T,E, 5	D,S	Cased to bottom. Screen from 32 to 63 feet. Reported yield 50 gallons a minute during pumping test of 48 hours. Supplies oil company camp. See log.
239	12.84	Apr. 7, 1941	None	N	Cased to bottom. Screen from 334 to 358 feet. Water too salty for camp use.
240	1.09	June 4, 1941	None	N	Cased to bottom. Screen from 74 to 84 feet.
241	--	July 24, 1941	--	--	Oil test. Sand from 515 to 540 feet. Abandoned.
242	12.88	June 4, 1941	None	N	Cased to bottom. Screen from 200 to 220 feet.
243	13.86	Apr. 15, 1941	Gl	Ind	Cased to bottom. Screen from 125 to 147 feet. Supplies boiler. Estimated yield, 20 gallons a minute. See log.
244	4.46	do.	None	N	Cased to bottom. Formerly supplied dipping vat.
245	11.32	May 15, 1941	C,W	D,S	Cased to bottom. Screen from 220 to 240 feet.
246	--	--	--	--	Flowed until 1939. Caved and abandoned.
247	8.83	May 15, 1941	C,E, 1/3	D,S	Cased to bottom. Screen from 70 to 82 feet.
248	20.58	Apr. 15, 1941	None	N	Supplies dipping vat.

Records of wells in Chambers County--Continued

Well No.	Distance from Monroe City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
249	4¾ miles northwest	Dr. -- Morgan	Geo. Abshier	1940	23	1½	0.0
250	do.	I. A. Hankamer	do.	1936	94	3,1½	0.2
251	5¼ miles northwest	Chambers County	do.	1939	165	1½	2.6
252	do.	do.	do.	1936	28	2	1.7
253	5½ miles northwest	Geo. Abshier	do.	1938	185	2	8 1.4
254	6 miles northwest	J. F. Abshier	J. F. Abshier	1926	183	2	0.4
255	5¾ miles northwest	United States Government	do.	1937	181	2	1.0
256	4¾ miles northwest	Jett Hankamer	Geo. Abshier	--	68	1¼	0.7
257	6¾ miles northwest	Irene Lewis	George Lewis	1941	28	1¼	3.0
258	6½ miles north	Gulf Oil Corp.	Gulf Oil Corp.	1930	198	6-5/8	--
259	6 miles north	United States Government	J. F. Abshier	1937	100	6,2	0.7
260	6¼ miles north	Ben Weaver	do.	1936	340	2	2.2
261	5½ miles north	C. A. Fowler	do.	1939	34	2	0.0
262	5¼ miles north	E. L. Moor	John Gunn	1922	32	2½	1.7
263	4¾ miles north	United States Government	J. F. Abshier	1937	54	2	0.2
264	5 miles northeast	A. G. Blanke	--	--	16	36	2.4
265	5¾ miles northeast	United States Government	J. F. Abshier	1937	146	2	0.0
266	6 miles northeast	Pat Boyt	do.	1930	324	--	--
267	4 miles northeast	United States Government	do.	1937	154	2	1.0
268	5 miles northeast	H. W. Lanz	--	1904	500	6	--
269	4¾ miles northeast	do.	--	1904	500	6	--
270	5 miles northeast	do.	--	1904	500	6	--
271	4 miles east	B. E. Quinn	--	1932	16	48	2.0
272	5¼ miles east	Earl Cooper	--	1930	325	1½	0.2
273	5¾ miles southeast	Brown Est.	--	1923	176	2	2.7

Well No.	Water level: Below measuring point (ft.) a/	Water level: Date of measurement	Method of lift b/	Use of water c/	Remarks
249	d/ 18	1940	C,W	D,S	Cased to bottom. Screen from 17 to 23 feet.
250	19.12	July 1, 1941	C,H	D,S	Casing: 28 feet of 3-inch; 61 feet of 1½-inch. Screen from 89 to 94 feet.
251	18.74	June 6, 1941	C,H	P	Cased to bottom. Supplies school.
252	13.10	do.	C,E, 1/6	P	Do.
253	d/ 8	1938	C,E, 1/6	D,S	Cased to bottom. Screen from 175 to 185 feet.
	12.29	June 6, 1941			
254	12.38	Apr. 11, 1941	C,E, --	D,S	Cased to bottom. Screen from 170 to 183 feet. Formerly used to irrigate ¼-acre garden.
255	10.35	Apr. 15, 1941	None	N	Cased to bottom. Supplies dipping vat No. 9.
256	8.49	June 6, 1941	C,W	D,S	
257	24.32	Apr. 30, 1941	C,H	D S	Cased to bottom.
258	--	--	C,E, 3	D,S	Casing: 126 feet of 6-5/8-inch. Screen from 126 to 147 feet. See log.
259	3 25	Apr. 15, 1941	None	N	Cased to bottom. Screen from 90 to 100 feet. Supplies dipping vat No. 5.
260	10.17	Apr. 30, 1941	C,W	S	Casing: 40 feet of 6-inch; 280 feet of 2-inch. Screen from 280 to 340 feet.
261	d/ 10	1939	C,W	D,S	Cased to bottom. See log.
262	7.95	Apr. 15, 1941	C,W	D,S	Cased to bottom. Screen from 72 to 82 feet. Water sand at 280 feet in abandoned well 10 feet away.
263	4.75	do.	None	N	Cased to bottom. Supplies dipping vat No. 31. Sand from 12 to 34 feet.
264	4.90	Apr. 30, 1941	C,H	D,S	Dug well. Wood casing to bottom.
265	7.36	do.	None	N	Cased to bottom. Supplies dipping vat No. 30.
266	--	--	C,W	D,S	Cased to bottom. Casing perforated from 318 to 324 feet.
267	7.23	July 1, 1941	None	N	Cased to bottom. Supplies dipping vat.
268	--	--	--	--	Cased to bottom. Screen from 480 to 500 feet. Drilled for irrigation; yield inadequate.
269	--	--	--	--	Do. Abandoned.
270	--	--	--	--	Do.
271	5.36	June 6, 1941	C,H	D	Dug well. Wood casing.
272	6.98	May 13, 1941	C,W	D,S	
273	10.20	May 22, 1941	C,H	S	Formerly supplied 5,000 head of cattle.

Records of wells in Chambers County--Continued

Well No.	Distance from Monroe City	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
274	5½ miles southeast	United States Government	Geo. Abshier	1937	283	2	0.6
275	6¼ miles southeast	do.	do.	1937	184	2	1.7
276	do.	John Dennison	--	--	8	48	0.0
277	7 miles southeast	Unknown	J. F. Abshier	1914	100	2	0.0

Well No.	Distance from Winnie	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
278	5½ miles southwest	D. A. Bennett	J. D. Hollingshead	1937	165	2	0.0
279	4¾ miles southwest	United States Government	J. F. Abshier	1937	42	2	0.0
280	do.	Chambers Count	--	1941	39	2	0.2
281	4½ miles southwest	Unknown	J. D. Hollingshead	1936	170	1½	--
282	4¼ miles southwest	do.	do.	1940	86	2	0.2
283	4⅓ miles southwest	do.	J. F. Abshier	1935	340	4,2	0.0
284	5 miles southwest	H. P. Draught & Co.	F. O. Mauboules	1934	23	8	1.5
285	5¼ miles southwest	United States Government	Geo. Abshier	1937	37	2	0.1
286	do.	Garth Bros.	C. Menard	1940	50	3	--
287	6 miles west	-- Starrett	Jack White	1931	240	2	0.5
288	do.	United States Government	J. F. Abshier	1937	257	2	0.3
289	6¼ miles northwest	Lawrence Rowland	V. R. Phelps	1940	180	1½	0.0
290	6¾ miles northwest	O. C. Derillier, Jr.	Stagg Supply Co.	1940	135	2	--
291	7¼ miles northwest	S. E. McBride	S. E. McBride	1936	176	2	1.5
292	6¾ miles northwest	Walter Simon	Layne & Bowler	1917	500	30, 16	0.0
293	6½ miles northwest	United States Government	J. F. Abshier	1937	122	2	1.5
294	7¼ miles northwest	F. W. Plummer	Yount Lee Oil Co.	1933	527	6	1.5
295	6½ miles northwest	G. C. Bond	--	1940	46	5	1.6
296	5½ miles northwest	Unknown	--	--	500±	--	--

Well No.	Water level: Below measuring point (ft.) a/	Water level: Date of measurement	Method of lift b/	Use of water c/	Remarks
274	4.51	May 22, 1941	None	N	Cased to bottom. Supplies dipping vat No. 16.
275	7.24	do.	C,H	D,S	Supplies dipping vat No. 24.
276	3.47	do.	None	N	Dug well. Brick casing.
277	d/ 13	1914	--	--	Cased to bottom. Screen from 90 to 100 feet. Abandoned

Well No.	Water level: Below measuring point (ft.) a/	Water level: Date of measurement	Method of lift b/	Use of water c/	Remarks
278	d/ 3	Jan. 1941	Cf,G, --	D,S	Cased to bottom. Screen from 155 to 165 feet. Sand from 143 to 165 feet.
279	1.52	May 5, 1941	None	N	Cased to bottom. Supplies dipping vat No. 46.
280	6.62	June 5, 1941	--	--	Seismograph test. Caved and abandoned.
281	--	--	--	--	Cased to bottom. Screen from 160 to 170 feet. Caved and abandoned.
282	2.58	May 23, 1941	C,W	D,S	Cased to bottom. Screen from 81 to 85 feet.
283	a/ 7	1940	C,W	D,S	Cased to bottom. Screen from 330 to 340 feet.
284	3.10	May 14, 1941	C,H	S	Cased to bottom.
285	2.53	May 13, 1941	None	N	Cased to bottom. Supplies dipping vat No. 25.
286	--	--	C,H	S	Cased to bottom. Sand point from 47 to 50 feet
287	9.45	June 5, 1941	C,W	D,S	Cased to bottom. Screen from 228 to 240 feet.
288	10.10	do.	None	N	Cased to bottom. Supplies dipping vat No. 20
289	d/ 3	May 1940	C,E, 1/4	D,S	Cased to bottom. Screen from 176 to 180 feet. See log.
290	--	--	C,W	D,S	Cased to bottom. Sand from 90 to 110 feet.
291	11.96	Apr. 30, 1941	C,W	D,S	Cased to bottom. Screen from 164 to 176 feet.
292	6.03	May 16, 1941	T,-, --	N	Casing: 100 feet of 30-inch; 400 feet of 16-inch. Drilled for irrigation, yield inadequate.
293	7.41	May 1, 1941	None	N	Cased to bottom. Supplies dipping vat No. 4.
294	17.87	May 16, 1941	None	N	Cased to bottom. Screen from 515 to 527 feet. Altitude of measuring point 39.03 feet. Formerly
295	5.29	do.	C,H	D,S	supplied drilling rig. Cased with wood to bottom. Oyster shells from 43 to 46 feet.
296	--	--	--	--	Formerly supplied drilling rig. Casing pulled and well abandoned.

Records of wells in Chambers County--Continued

Well No.	Distance from Winnie	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
297	3½ miles northwest	Len Evans	--	--	44	2	2.5
298	4 miles northwest	C. A. Moore Est.	--	Old	14	6	1.4
299	3¾ miles northwest	United States Government	J. F. Abshier	1937	142	2	0.3
300	2¾ miles north	do.	do.	1937	156	2	2.0
301	2 miles northwest	Len Evans	--	1936	20	1¼	--
302	3½ miles northwest	United States Government	J. F. Abshier	1937	164	2	0.5
303	2¾ miles northwest	E. C. Derillier	E. C. Derillier	1936	12	4	1.8
304	2 miles northwest	F. Dugat	Paul Acheson	1938	150	1½	--
305	1¼ miles northwest	do.	Geo. Abshier	1939	150	2	3.4
306	¾ mile northwest	United States Government	J. F. Abshier	1937	144	2	0.9
307	½ mile northwest	H. M. Franzen	V. R. Phelps	1936	162	3	--
308	In Winnie	Unknown	White & Balcar	1921	254	4	--
309	do.	D. W. Syphrett	V. R. Phelps	1936	140	2	--
310	¾ mile east	Chambers County	Humble Oil & Refining Co.	1939	209	--	--
311	1¼ miles southeast	W. P. Kunefke	do.	1939	510	4	--
312	do.	do.	V. R. Phelps	1940	140	1¼	--
313	¼ mile east	P. Broussard	do.	1940	144	1¼	--
314	In Winnie	H. M. Franzen	John Gunn	1932	165	3	1.2
315	1½ miles west	G. H. Meneley	V. R. Phelps	1940	151	2	1.1
316	1½ miles southwest	United States Government	J. F. Abshier	1937	46	2	1.2
317	2¼ miles southwest	Unknown	Sun Oil Co.	--	700	--	--
318	1 mile south	Chambers County	Jack White	1932	185	2	--
319	1¼ miles south	Eddie Rudd	V. R. Phelps	1940	227	1¼	0.0
320	1¾ miles southwest	Mrs. R. M. White	Jack White	1929	184	2	0.3
321	2¼ miles southwest	J. C. White	--	1940	158	3	0.5
322	2½ miles southwest	L. G. Ogden	Dave Coffee	1903	300±	6	--

Well No.	Water level: Below measuring point (ft.) a/	Water level: Date of measurement	Method of lift b/	Use of water c/	Remarks
297	4.55	June 9, 1941	C,H	D,S	
298	4.51	May 16, 1941	C,H	D,S	
299	8.48	May 1, 1941	None	N	Cased to bottom. Supplies dipping vat No. 55.
300	12.52	June 9, 1941	C,H	D,S	Cased to bottom. Supplies dipping vat No. 7.
301	--	--	C,H	D,S	
302	8.41	May 1, 1941	None	N	Cased to bottom. Supplies dipping vat No. 35.
303	4.28	do.	C,W	D,S	Cased to bottom.
304	--	--	C,G, 1½	D,S	Cased to bottom. Screen from 145 to 150 feet.
305	17.11	May 1, 1941	C,H	--	Cased to bottom. Screen from 140 to 150 feet.
306	14.39	June 6, 1941	None	N	Cased to bottom. Supplies dipping vat No. 6.
307	d/ 5	1936	S,E, 1/3	D,S	Cased to bottom. Screen from 152 to 162 feet. See log.
308	d/ 12	1927	--	--	Cased to bottom. Reported yield when drilled 50 gallons a minute. Supplied canning plant.
309	d/ 6	1934	C,E, ½	P	Cased to bottom. Caved and abandoned. Screen from 130 to 140 feet. Supplies service
310	d/ 2	1939	--	--	Seismograph station and group of houses. test. Sand from 180 to 209 feet. Casing
311	d/ +	1939	--	--	Seismograph pulled and hole abandoned. test. Casing pulled and hole abandoned.
312	d/ 6	Oct. 1940	C,E, ¼	D,S	Cased to bottom. Screen from 136 to 140 feet. See log.
313	d/ 6	1940	C,E, ¼	D,S	Cased to bottom. Screen from 140 to 144 feet.
314	12.61	May 1, 1941	C,E, 3	D	Cased to bottom. Screen from 153 to 165 feet. Sands from 87 to 91 and 145 to 165 feet.
315	11.91	do.	C,E, ½	D,S	Cased to bottom. Screen from 147 to 151 feet. Sands from 60 to 70 and 131 to 151 feet.
316	2.32	do.	None	N	Cased to bottom. Supplies dipping vat No. 40.
317	--	--	--	--	Seismograph test. Oyster shells from 320 to 327 feet. Water sand at 400 feet. Casing
318	--	--	C,E, 1	P	Cased to bottom. pulled and hole abandoned. Supplies school at Stowell.
319	d/ 0	Dec. --, 1940	C,E, ¼	D	Cased to bottom.
320	11.98	May 14, 1941	C,E, ½	D,S	Cased to bottom. Screen from 164 to 184 feet.
321	10.86	do.	C,E, ¾	D,S	
322	--	--	--	--	Used for irrigation in 1903. Caved and abandoned.

Records of wells in Chambers County--Continued

Well No.	Distance from Winnie	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
323	2 miles south	J. T. White	Jack White	1926	170	1½	0.5
324	2½ miles southeast	United States Government	J. F. Abshier	1937	150	2	1.7
325	2⅝ miles southeast	O. H. Acom	Dave Coffee	1903	244	10	0.0
326	3¼ miles south	-- Gelans	--	--	153	2	6.0
327	3½ miles south	J. B. Myers	V. R. Phelps	1940	197	1¼	0.0
328	3⅝ miles south	United States Government	J. F. Abshier	1937	184	2	0.7
329	4 miles southeast	Courtney Marshall	--	--	21	--	3.3
330	4¼ miles south	do.	--	1912	--	4	0.5

Well No.	Distance from White's Ranch	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
331	3¼ miles north	Hebert Trust Co.	--	Old	91	1½	1.5
332	3¼ miles northwest	O. H. Acom	Sun Oil Co.	1938	221	5	1.0
333	4¼ miles northwest	do.	do.	1939	197	5	0.0
334	do.	do.	do.	--	12	2	--
335	5½ miles northwest	do.	H. L. Dow	1937	26	4	1.6
336	4½ miles northwest	Chambers County	--	Old	16	4	3.0
337	5¾ miles northwest	Taylor White Est.	Jack White	1936	220	2	0.0
338	6¼ miles northwest	Broussard & Hebert	--	--	14	6	1.0
339	6½ miles northwest	do.	Sun Oil Co.	1939	211	5	4.5
340	7½ miles northwest	F. Jackson	--	--	176	2	0.5
341	7¼ miles west	do.	Geo. Abshier	1935	230	2	2.5
342	7 miles west	do.	do.	1935	224	2	1.0
343	6¼ miles west	R. Barrow	R. J. Thompkins	1912	208	3	0.6
344	6¼ miles southwest	do.	Geo. Abshier	1933	134	2	0.0

Well No.	Water level: Below measuring point (ft.) a/	Water level: Date of measurement	Method of lift b/	Use of water c/	Remarks
325	12.40	May 14, 1941	C,E, ¼	D,S	Cased to bottom. Screen from 160 to 170 feet. In Stowell.
324	6.83	do.	None	N	Cased to bottom. Supplies dipping vat No. 8.
325	+ d/ 1.8	1903	--	--	Cased to bottom. Screen from 184 to 244 feet. Reported flow 60 gallons a minute when drilled. Used for irrigation until 1905. Caved and abandoned.
326	12.62	May 14, 1941	A,G, 1½	D,S	
327	d/ 1	Sept. 1940	C,W	D,S	Cased to bottom. Screen from 193 to 197 feet. See log.
328	5.22	May 14, 1941	C,H	D,S	Cased to bottom. Supplies dipping vat No. 54.
329	7.12	do.	C,H	D,S	
330	5.86	July 23, 1941	--	--	Supplied canning plant until 1935. Caved and abandoned.

Well No.	Water level: Below measuring point (ft.) a/	Water level: Date of measurement	Method of lift b/	Use of water c/	Remarks
331	6.50	May 23, 1941	C,W	S	
332	3.54	May 24, 1941	C,E, ½	P	Cased to bottom. Screen from 179 to 218 feet. Supplies camp.
333	d/ 2	1940	Gl	Ind	Cased to bottom. Screen from 175 to 195 feet. Supplies pump station.
334	--	May 23, 1941	Gl	--	
335	3.92	do.	Cf,G, --	D,S	
336	5.33	do.	None	N	Wooden casing.
337	4.77	Aug. 23, 1941	None	N	Cased to bottom. Screen from 200 to 220 feet.
338	5.39	May 22, 1941	B	D,S	Tile casing.
339	4.80	May 23, 1941	Gl	Ind	Cased to bottom. Screen from 190 to 211 feet. Supplies pump station.
340	2.40	May 22, 1941	None	N	
341	0.19	July 8, 1941	Flows	S	Cased to bottom. Screen from 210 to 230 feet.
342	0.23	do.	Flows Cf,G,1½	S	Cased to bottom.
343	0.65	May 20, 1941	C,H	S	Cased to bottom. Screen from 188 to 208 feet. Reported flow 11,000 gallons a day when drilled.
344	d/ +	1941	Flows	S	Cased to bottom. Screen from 114 to 134 feet. Reported flow 14,000 gallons a day when drilled.

Records of wells in Chambers County--Continued

Well No.	Distance from White's Ranch	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
345	5¾ miles southwest	R. Barrow	Jack White	1917	229	2½	0.0
346	5¼ miles west	do.	J. F. Abshier	--	234	2	1.0
347	do.	do.	Andy Frankland	1941	167	2	--
348	5¼ miles southwest	do.	J. F. Abshier	1934	540	2	0.0
349	4½ miles southwest	F. Jackson	Andy Frankland	1939	240	2	0.0
350	4¼ miles west	R. Barrow	--	Old	300±	--	--
351	do.	do.	--	--	16	48	2.9
352	3¾ miles northwest	do.	--	1913	--	--	0.0
353	1½ miles northwest	Taylor White Est.	Joe Johnson	1937	28	--	3.2
354	1¾ miles southwest	do.	--	--	--	2	--
355	do.	A. D. Middleton	--	--	--	2	2.3
356	1¼ miles southwest	Taylor White Est.	--	Old	176	2	1.0
357	½ mile north	United States Government	--	Old	190	2½	2.2
358	½ mile east	Taylor White Est.	--	Old	300	2	2
359	do.	do.	--	1935	85	2	0.0
360	½ mile southeast	do.	--	--	156	2	0.3
361	1½ miles southwest	do.	Sun Oil Co.	1936	220	3	0.5
362	1¾ miles southeast	do.	do.	1936	220	2	0.3
363	do.	do.	Jack White	Old	212	1¼	0.7
364	5¼ miles south	Bud Moss Est.	John Gunn	1920	240	2½	0.0
365	5¼ miles southwest	R. Barrow	J. F. Abshier	1925	200	2	0.0
366	7 miles southwest	do.	-- Chambliss	1938	233	2	0.0
367	6¾ miles southwest	do.	J. F. Abshier	1934	200	2	0.0
368	7¾ miles southwest	do.	do.	--	200±	2	0.0

Well No.	Water level: Below measuring point (ft.) a/	Water level: Date of measurement	Method of lift b/	Use of water c/	Remarks
345	d/ +	1941	Flows	S	Cased to bottom. Screen from 209 to 229 feet.
346	+ 3.29	July 23, 1941	Flows	S	Cased to bottom. Screen from 214 to 234 feet.
347	--	--	None	N	Cased to bottom. Screen from 157 to 167 feet.
348	d/ +	1934	C,W	S	Cased to bottom. Screen from 530 to 540 feet.
349	d/ +	1939	C,W	S	Cased to bottom. Screen from 220 to 240 feet. Reported flow 10 gallons a minute when drilled.
350	d/ +	--	--	--	Caved and abandoned.
351	9.08	May 20, 1941	C,W	S	Dug well.
352	d/ +	1913	--	--	Oil test. Reported to have flowed when drilled. Sand at 640 to 650 feet.
353	7.08	May 20, 1941	C,H	D	Supplies several families.
354	--	June 23, 1941	C,W	S	
355	+	do.	Flows	S	Estimated flow 1 gallon a minute.
356	+ 2.85	Aug. 20, 1941	Flows	N	Estimated flow 3 gallons a minute. Sand from 209 to 221 feet.
357	+ 0.72	July 16, 1941	Flows	S	Estimated flow 2 gallons a minute. Supplies dipping vat No. 53.
358	d/ +	1939	--	--	Reported flow 2 gallons a minute in 1939. Plugged and abandoned
359	d/ 8	1940	C,W	D	Cased to bottom. Screen from 75 to 85 feet.
360	+ 0.95	July 16, 1941	Flows	S	Estimated flow 1 gallon a minute.
361	+	May 20, 1941	Flows	S	Cased to bottom. Estimated flow 1 gallon a minute.
362	+ 0.57	July 16, 1941	Flows	S	Cased to bottom. Estimated flow $\frac{1}{2}$ gallon a minute.
363	1.95	May 20, 1941	None	N	Cased to bottom. Screen from 192 to 212 feet. Reported to have flowed when drilled.
364	d/ +	1937	--	--	Cased to bottom. Screen from 226 to 240 feet. Water reported salty. Caved and abandoned.
365	d/ +	1925	C,W	S	Cased to bottom. Screen from 190 to 200 feet
366	d/ -	1939	Flows	N	Cased to bottom. Screen from 213 to 233 feet. Reported flow 8,000 gallons a day when drilled.
367	d/ 0.0	July, 1941	C,W	S	Cased to bottom. Screen from 190 to 200 feet. Reported to have flowed when drilled.
368	d/ +	Aug. 1941	Flows	S	

Records of wells in Chambers County--Continued

Well No.	Distance from Eagle	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
369	13 miles southeast	Guy Jackson	Pure Oil Co.	--	375±	--	0.0
370	11½ miles southeast	do.	Andy Frankland	1939	223	2	0.0
371	9½ miles southeast	E. A. Wilburn	Geo. Abshier	1938	280	2	1.0
372	9 miles southeast	do.	R. J. Thompkins	1931	262	3	0.5
373	do.	do.	Geo. Abshier	--	600	3	2.2
374	8½ miles southeast	Temple Fitzgerald	Amos Jennische	1940	260	2	0.0
375	8¾ miles southeast	Guy Jackson	The Texas Co.	--	300	--	--
376	10 miles southeast	do.	J. F. Abshier	--	240	8,3	1.0
377	9¾ miles southeast	do.	--	--	245	2	0.8
378	9 miles southeast	do.	-- Broussard	--	720	2½	3.5
379	8½ miles southeast	do.	do.	--	250	2	1.8
380	6½ miles southeast	-- Stevenson	--	--	--	2	1.5
381	6¼ miles southeast	Temple Fitzgerald	Amos Jennische	1940	240	2	0.0
382	6 miles southeast	-- Stevenson	--	--	--	2	0.8
383	6¾ miles southeast	Guy Jackson	--	--	250	3	2.1
384	do.	do.	J. F. Abshier	--	220	--	--
385	do.	do.	--	--	230	2	--
386	8½ miles southeast	do.	Amos Jennische	1913	210	2	0.0
387	7¾ miles east	John Jackson	do.	1918	669	2	0.0
388	do.	F. Jackson	Geo. Abshier	1939	455	2	2.0
389	9 miles northeast	Unknown	--	--	17	6	0.5
390	7¾ miles northeast	J. E. Broussard	--	1925	24	6	2.1
391	7 miles east	Guy Jackson	Amos Jennische	1918	420	2	1.0
392	6½ miles east	F. Jackson	--	1936	18	48	1.3
393	do.	do.	Geo. Abshier	1939	460	2	0.2

Well No.	Water level: Below measuring point (ft.) a/	Water level: Date of measurement	Method of lift b/	Use of water c/	Remarks
369	d/ +	July, 1941	Flows	S	
370	d/ +	May, 1941	Flows	S	Cased to bottom. Reported flow 13,000 gallons a day when drilled.
371	+	July 3, 1941	Flows	S	Cased to bottom. Screen from 260 to 280 feet. Estimated flow 3⅕ gallons a minute.
372	+	do.	Flows	S	Cased to bottom. Screen from 242 to 262 feet. Estimated flow 1 gallon a minute.
373	+ 0.2	do.	Flows	N	Sand from 245 to 265 feet. No sand from 265 to 600 feet.
374	d/ +	July, 1940	Flows	S	Cased to bottom. Screen from 245 to 260 feet. Water salty. Reported flow 35,000 gallons a
375	--	--	--	--	Reported to have flowed day when drilled. when drilled. Caved and abandoned.
376	+ 0.60	Aug. 23, 1941	Flows	S	Estimated flow 2 gallons a minute. Some gas.
377	+ 0.96	do.	Flows	S	Reported flow 15,800 gallons a day when drilled. Sand from 205 to 245 feet.
378	+ 2.78	do.	Flows	S	Estimated flow 4 gallons a minute.
379	+ 0.87	Aug. 22, 1941	Flows	S	Cased to bottom. Estimated flow 3 gallons a minute.
380	+ 2.05	Aug. 23, 1941	Flows	S	Estimated flow 4 gallons a minute.
381	d/ +	Aug. 1940	Flows	S	Cased to bottom. Screen from 225 to 240 feet. Reported flow 35,000 gallons a day when drilled.
382	+ 1.93	Aug. 23, 1941	Flows	S	Estimated flow 2 gallons a Water salty. minute.
383	+ 1.89	Aug. 22, 1941	Flows	S	Cased to bottom. Reported flow 20,000 gallons a day when drilled.
384	--	--	--	--	Reported to have flowed when drilled. Caved and abandoned.
385	--	--	--	--	Reported flow 25,000 gallons a day when drilled. Caved and abandoned.
386	d/ +	Sept. 1918	--	--	Cased to bottom. Screen from 190 to 210 feet. Reported to have flowed when drilled. Caved
387	d/ +	Oct. 1918	Flows	S	Cased to bottom. and abandoned. See log Screen from 629 to 669 feet. Water brackish. Reported flow 50,000 gallons a day when drilled.
388	+ 3.00	Aug. 21, 1941	Flows	S	Cased to bottom. Estimated flow See log. 2 gallons a minute.
389	2.33	May 22, 1941	C,H	N	
390	5.24	do.	C,H	S	
391	+ 3.20	July 23, 1941	Flows	S	Cased to bottom. Screen from 400 to 420 feet. Reported flow 50,000 gallons a day when drilled.
392	5.15	May 12, 1941	C,H	D,S	See log.
393	1.61	do.	None	N	Cased to bottom. Flowed until 1940.

Records of wells in Chambers County--Continued

Well No.	Distance from Eagle	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
394	6¾ miles east	F. Jackson	--	1936	17	--	0.0
395	5¼ miles southeast	Temple Fitzgerald	--	--	140+	6	2.5
396	do.	do.	--	--	500+	2½	3.2
397	4¾ miles east	Bud Moss	Andy Frankland	1940	87	2	--
398	do.	do.	Amos Jennische	1918	485	2	2.0
399	4½ miles east	United States Government	Geo. Abshier	1937	160	2	1.0
400	4¼ miles east	Guy Jackson	--	--	13	54	1.0
401	4½ miles east	Unknown	J. F. Abshier	1937	260	2	0.9
402	3¾ miles east	Guy Jackson	do.	1933	100	2	0.0
403	3½ miles east	United States Government	do.	1937	100	2	1.2
404	do.	W. T. Haynes	Andy Frankland	1940	200	--	--
405	3 miles east	J. C. Jackson	--	1903	21	6	0.9
406	2¼ miles northeast	Martha Johnson	--	1921	30	4	2.7
407	2 miles northeast	F. Jackson	Geo. Abshier	1940	660	2	0.0
408	1½ miles northeast	Arthur Jackson	J. F. Abshier	1928	640	2	0.4
409	2½ miles northeast	Mays White	Modesto White	1939	20	1½	3.9
410	3 miles northeast	United States Government	Geo. Abshier	1937	114	2	0.8
411	2½ miles northeast	P. E. Jackson	P. E. Jackson	1932	14	4	2.0
412	2¾ miles north	W. J. Stines	W. J. Stines	1936	22	4	2.2
413	3¼ miles northwest	Mrs. A. L. Scherer	D. Scherer	--	22	72	1.0
414	2¼ miles north	United States Government	Geo. Abshier	1937	100	2	1.1
415	do.	Mrs. A. T. Eddigston	do.	1936	115	4	--
416	1¾ miles northwest	Kocijan Bros.	Kocijan Bros.	1940	25	6	1.0
417	2½ miles southwest	Unknown	Don Bishop	1939	110	2	0.0
418	1½ miles west	J. W. Kocijan	J. W. Kocijan	1939	18	6	1.0
419	¾ mile southwest	United States Government	Geo. Abshier	1937	33	2	0.3

Well No.	Water level: Below measuring point (ft.) a/	Water level: Date of measurement	Method of lift b/	Use of water c/	Remarks
394	3.99	May 12, 1941	C,H	D	
395	+	Aug. 22, 1941	Flows	N	
396	+ 2.38	do.	Flows	S	
397	---	---	C,W	S	Cased to bottom. Sand from 73 to 87 feet.
398	d/ +	1940	--	--	Cased to bottom. Screen from 465 to 485 feet. Reported flow 60,000 gallons a day when drilled.
399	4.65	July 7, 1941	None	N	Cased to bottom. Caved and abandoned. See log. Supplies dipping vat.
400	5.41	June 24, 1941	C,W	S	Dug well.
401	+ 0.7	Aug. 21, 1941	Flows	S	Cased to bottom. Screen from 250 to 260 feet.
402	d/ 8	1933	--	--	Cased to bottom. Screen from 90 to 100 feet. Caved and abandoned.
403	4.98	May 7, 1941	None	N	Cased to bottom. Screen from 90 to 100 feet. Supplies dipping vat.
404	--	--	--	--	Dry hole.
405	2.26	May 7, 1941	C,G, 1½	D,S	Cased to bottom. 4-inch screen from 16 to 21 feet.
406	14.86	do.	B	D,S	Wooden casing to bottom.
407	2.40	May 6, 1941	C,E, ½	S	Cased to bottom. Screen from 640 to 660 feet.
408	4.34	do.	C,E, ½	S	Cased to bottom. Screen from 625 to 640 feet. Flowed until 1930.
409	4.29	May 7, 1941	C,H	S	Cased to bottom. Sand point from 16 to 20 feet.
410	7.05	June 3, 1941	None	N	Cased to bottom. Supplies dipping vat No. 36.
411	6.43	June 25, 1941	B	D,S	Cased to bottom.
412	15.00	do.	C,H	S	Do.
413	14.00	May 6, 1941	C,W	D,S	Dug well. Wooden casing.
414	8.70	do.	None	N	Cased to bottom. Supplies dipping vat No. 47.
415	--	--	C,G, 2	D,S	Cased to bottom.
416	3.23	May 25, 1941	C,W	S	Cased to bottom. Casing perforated from 12 to 20 feet.
417	2.18	May 6, 1941	--	--	Caved and abandoned.
418	7.80	do.	C,H	S	Cased to bottom.
419	4.76	do.	None	N	Cased to bottom. Supplies dipping vat No. 3.

Records of wells in Chambers County--Continued

Well No.	Distance from Eagle	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
420	¼ mile northwest	C. O. Crone	Geo. Abshier	--	115	2	--
421	¼ mile southeast	H. Haynes	J. F. Abshier	1939	480	2	0.0
422	1 mile east	United States Government	Geo. Abshier	1937	129	2	--
423	3¼ miles southeast	R. Barrow	--	--	12	132	0.0
424	3 miles southeast	Fred Kruger	Fred Kruger	1940	18	1¼	--
425	4¼ miles southeast	R. Barrow	R. J. Thompkins	1926	210	2	0.0
426	3½ miles southeast	do.	Geo. Abshier	1939	572	2	2.7
427	do.	do.	do.	1931	634	2	0.0
428	2½ miles southeast	do.	J. F. Abshier	1926	596	2	0.0
429	2 miles southeast	Geo. Wilburn	Amos Jennische	1918	367	2	0.0
430	do.	E. A. Wilburn	Andy Frankland	1940	325	2½	0.0
431	do.	do.	J. F. Abshier	1931	250	2	0.0
432	1½ miles southeast	Asa Standley	Harry Johnson	1937	19	48	3.0
433	2¼ miles southeast	E. A. Wilburn	Andy Frankland	1939	408	2	0.0
434	2¾ miles southeast	C. Wilburn	--	1938	20	2	--
435	do.	do.	Geo. Abshier	1932	100	2	0.5
436	do.	G. R. Canada	Andy Frankland	1940	200	--	--
437	3¾ miles southeast	R. Barrow	do.	1940	225	2	0.0
438	do.	do.	Amos Jennische	1918	587	2	0.0
439	5¼ miles southeast	do.	Andy Frankland	1940	240	2	0.0
440	3¼ miles southeast	G. R. Canada	Geo. Abshier	1939	844	2	0.0
441	2¾ miles southeast	do.	R. J. Thompkins	--	565	3	0.6
442	do.	do.	Geo. Abshier	1939	565	2	0.0
443	3½ miles southwest	E. A. Wilburn	R. J. Thompkins	1931	514	2	0.0
444	3¼ miles southwest	do.	Andy Frankland	1940	350	2	0.0

Well No.	Water level: Below measuring point (ft.) a/	Water level: Date of measurement	Method of lift b/	Use of water c/	Remarks
420	--	--	C,W	D,S	Cased to bottom.
421	d/ 2	1940	C,W	D,S	Cased to bottom. Screen from 470 to 480 feet. Sand from 430 to 480 feet. Reported to have flowed when drilled
422	--	--	C,W	S	Cased to bottom.
423	1.50	June 27, 1941	C,W	S	Dug well. Wooden casing.
424	--	--	C,H	S	Cased to bottom. Sand point from 15 to 18 feet.
425	d/ 5	1940	C,W	S	Cased to bottom. Screen from 190 to 210 feet. Reported flow 10,000 gallons a day when drilled.
426	+ 0.90	Aug. 21, 1941	Flows	S	Cased to bottom. Screen from 256 to 272 feet. Reported flow 19,000 gallons a day when drilled. Estimated flow Flowed until 1930.
427	d/ +	1939	--	--	Flowed Aug. 1, 1941, 10,000 gallons a day. until 1939. Caved and abandoned.
428	d/ +	1940	--	--	Cased to bottom. Screen from 581 to 596 feet. Water salty. Reported flow 7,000 gallons a day when drilled. Flowed until 1940. Caved
429	d/ +	1918	--	--	Cased to bottom. Screen from and abandoned. 347 to 367 feet. Reported flow 40,000 gallons a day when drilled. Caved and abandoned. See
430	d/ 0.0	1940	C,W	S	Cased to bottom. Sand from 310 to 325 log. feet.
431	d/ +	1939	--	--	Cased to bottom. Screen from 240 to 250 feet. Caved and abandoned.
432	5.65	May 6, 1941	B	D,S	Dug well. Cased to bottom.
433	0.16	May 7, 1941	C,W	D,S	Cased to bottom. Screen from 388 to 408 feet.
434	--	--	C,W	D,S	Cased to bottom. Screen from 15 to 20 feet.
435	10.34	May 7, 1941	--	--	Cased to bottom. Screen from 80 to 100 feet. Caved and abandoned.
436	--	--	--	--	Dry hole. Reported no sand.
437	d/ +	1940	C,W	S	Cased to bottom. Screen from 205 to 225 feet.
438	d/ +	1918	C,W	S	Cased to bottom. Screen from 567 to 587 feet. Reported flow 50,000 gallons a day when drilled.
439	d/ 0.0	1940	C,W	S	Cased to bottom. Screen from 220 to 240 feet. See log.
440	d/ 0.0	1940	C,G, 6	D,S	Cased to bottom. Screen from 824 to 844 feet. Abandoned well nearby drilled to same depth
441	6.01	June 27, 1941	C,G, 2	S	Cased to bottom. flowed from 1893 to 1938.
442	d/ 0.0	1939	C,W	S	Cased to bottom. Screen from 545 to 565 feet.
443	d/ 0.0	1940	C,W	S	Cased to bottom. Screen from 474 to 514 feet.
444	0.0	July 15, 1941	C,W	S	Cased to bottom. Screen from 310 to 330 feet. Small flow when drilled.

Records of wells in Chambers County--Continued

Well No.	Distance from Eagle	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
445	3½ miles southwest	Henry Gau	Andy Frankland	1939	216	1½	0.0
446	3¼ miles south	L. J. Harding	--	1937	30	2½	0.3
447	3½ miles south	Gau Est.	Humble Oil & Refg. Co.	1936	600±	--	0.0
448	do.	do.	Gulf Oil Corp.	1934	600±	4	0.0
449	4½ miles southeast	G. R. Canada	Geo. Abshier	1939	220	2	2.2
450	5 miles southeast	D. L. Broussard	Amos Jennische	1918	572	2	0.0
451	4¼ miles south	G. R. Canada	The Texas Co.	1939	650±	4	1.4
452	4 miles south	Henry Gau	R. J. Thompkins	1931	685	2	0.0
453	4½ miles southwest	G. R. Canada	Geo. Abshier	1939	210	2	0.0
454	4½ miles south	W. J. Hawkins	Andy Frankland	1940	25	2	0.0
455	5½ miles south	United States Government	Geo. Abshier	1937	527	2	0.3
456	7 miles south	W. L. Moody	-- Hamilton	1910	550±	2	0.0
457	9¼ miles southeast	G. R. Canada	Geo. Abshier	1939	251	2	0.2
458	9 miles southeast	do.	do.	1931	265	2	0.6
459	do.	United States Government	do.	1937	230	2	0.3
460	9¼ miles south	W. L. Moody	do.	1938	292	2	0.3
461	6½ miles southwest	Unknown	--	1910	300±	2½	0.2

Well No.	Distance from Smith Point	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
462	2 miles northeast	E. Whitehead	E. Whitehead	1910	18	1½	0.0
463	¾ mile northeast	Frankland Est.	--	1916	18	2	--
464	¾ mile southwest	A. W. Robbins	Andy Frankland	1937	108	2	--

Well No.	Water level: Below measuring point (ft.) a/	Water level: Date of measurement	Method of lift b/	Use of water c/	Remarks
445	d/ + 0.5	1939	C,W	S	Cased to bottom. Screen from 200 to 216 feet. Small flow when drilled.
446	1.90	May 7, 1941	C,W	D,S	Cased to bottom. Screen from 25 to 30 feet.
447	d/ +	1936	--	--	Reported to have flowed when drilled. Formerly supplied drilling rig. Casing pulled and well abandoned.
448	d/ +	1934	--	--	Do.
449	+ 0.23	Aug. 21, 1941	Flows	S	Cased to bottom. Screen from 200 to 220 feet. Estimated flow 1 gallon a minute.
450	d/ +	Aug. 1918	--	--	Cased to bottom. Screen from 552 to 572 feet. Reported flow 50,000 gallons a day when drilled.
451	3.39	July 18, 1941	C,W	S	Cased to bottom. Caved and abandoned. See log. Reported flow 30,000 gallons a day when drilled.
452	d/ 0.0	May, 1941	C,W	S	Cased to bottom. Screen from 665 to 685 feet. Flowed until 1939. Flowed until 1937.
453	d/ 0.0	1939	C,W	S	Cased to bottom. Screen from 190 to 210 feet. Drilled to 500 feet and plugged back to 210
454	d/ 9	1940	C,W	D,S	Cased to bottom. Screen from 15 to 25 feet.
455	1.93	May 7, 1941	None	N	Cased to bottom. Screen from 511 to 527 feet. Supplies dipping vat No. 17.
456	d/ +	1941	Flows	S	
457	+ 1.25	July 3, 1941	Flows	S	Cased to bottom. Screen from 231 to 251 feet. Estimated flow 1 gallon a minute.
458	+ 1.53	July 18, 1941	Flows	S	Cased to bottom. Estimated flow 3 gallons a minute.
459	+ 1.98	do.	Flows	S	Cased to bottom. Estimated flow 2 gallons a minute. Supplies dipping vat No. 28.
460	+ 1.15	do.	Flows	S	Cased to bottom. Screen from 272 to 292 feet.
461	+	July 3, 1941	Flows	S	Estimated flow 2 gallons a minute.

Well No.	Water level: Below measuring point (ft.) a/	Water level: Date of measurement	Method of lift b/	Use of water c/	Remarks
462	d/ 5	1940	C,W	S	Cased to bottom. Sand point from 14 to 18 feet.
463	--	--	C,W	S	
464	--	--	C,G, --	D,S	Cased to bottom. Screen from 104 to 108 feet.

Records of wells in Chambers County--Continued

Well No.	Distance from Smith Point	Owner	Driller	Date completed	Depth of well (ft.)	Diameter of well (in.)	Height of measuring point above ground (ft.)
465	2 miles west	A. W. Robbins	Layne-Texas Co.	1939	200±	4	--
466	1½ miles southwest	United States Government	Geo. Abshier	1937	127	2	0.0
467	do.	Hartfield's Camp	V. R. Phelps	1941	120	2	0.0
468	do.	Dr. E. R. Hicks	--	--	26	2	0.3
469	2¼ miles southeast	E. Whitehead	Geo. Abshier	1938	268	2	0.0

a/ Plus (+) indicates water level is above ground.

b/ Pump or lift: T, turbine; Cf, centrifugal; Gl, gas lift; A, air lift; C, cylinder; B, rope and bucket.
Power: E, electric; G, gasoline engine; D, diesel; S, steam; W, windmill; H, hand. Figure indicates horsepower.

Well No.	Water level: Below measuring point (ft.) a/	Water level: Date of measurement	Method of lift b/	Use of water c/	Remarks
465	d/ +	1939	--	--	Supplied water for drilling rig. Casing pulled and well abandoned.
466	d/ 4	1937	C,W	S	Cased to bottom. Supplies dipping vat No. 48.
467	6.78	May 27, 1941	C,E, 1/6	D	Cased to bottom. Screen from 112 to 120 feet. Pumped 2½ hours at 1,500 gallons an hour without failure when drilled.
468	4.37	do.	C,E, ¼	D	
469	d/ 1	1940	C,W	S	Cased to bottom. Screen from 248 to 268 feet. Reported no sand above 228 feet.

c/ P, public supply; Ind, industrial; D, domestic; S, stock; N, none.
d/ Water level reported by driller or owner.

Table of Drillers' Logs, Chambers County, Texas

	Thickness (feet)	Depth (feet)
Driller's log of well 11		
J. O. Stockbridge, ½ mile northwest of Mt. Belvieu.		
Yellow clay	64	64
Tough gumbo	28	92
Sandy shale	23	115
Soft sand	30	145
Soft gumbo and sand	27	172
Tough gumbo	16	188
Soft gumbo and sand	22	210
Tough gumbo	10	220
Sand and shale	20	240
Sticky gumbo	41	281
Sand and gumbo	5	286
Hard sand	28	314
TOTAL DEPTH		314
Driller's log of well 12		
J. R. Barber, ½ mile northwest of Mt. Belvieu.		
Soil and hard clay	25	25
Quicksand	5	30
Hard clay and gumbo	10	40
Hard rock and sand	5	45
Mixed formation	20	65
Shale and sand	10	75
Hard gumbo	15	90
Soft shale	10	100
Hard gumbo	20	120
Soft shale	5	125
Sand	10	135
Soft shale	30	165
Hard gumbo	30	195
Soft gumbo	35	230
Dark gray sand	10	240
Hard gumbo	20	260
Soft shale	25	285
Hard gumbo	25	310
Gray sand	13	323
TOTAL DEPTH		323
Driller's log of well 13		
Tillman Fitzgerald, ½ mile northeast of Mt. Belvieu.		
Soil	3	3
Clay	17	20
Shale	50	70
Gumbo	5	75
Shale and sand	10	85
Gumbo	15	100
Shale and gumbo	10	110
Driller's log of well 13--Continued		
Gumbo	30	140
Gumbo	55	195
Shale	9	204
Fine-grained sand	3	207
Gumbo and shale	48	255
Gumbo	52	307
Shale and sand	10	317
Sand	83	400
Gumbo	93	493
Sand	17	510
TOTAL DEPTH		510
Driller's log of well 14		
Max Brown, ½ mile northeast of Mt. Belvieu.		
Soil	2	2
Clay	18	20
Quicksand	5	25
Clay and shale	35	60
Gumbo	40	100
Gumbo	45	145
Shale	27	172
Shale and sand	20	192
Gumbo	35	227
Shale and gumbo	19	246
Sand	32	278
TOTAL DEPTH		278
Driller's log of well 15		
Temple Fitzgerald, ½ mile northeast of Mt. Belvieu.		
Soil	3	3
Clay	3	6
Quicksand	29	35
Shale	25	60
Gumbo and shale	20	80
Gumbo	120	200
Shale	9	209
Sand	8	217
TOTAL DEPTH		217
Driller's log of well 16		
Old River Rice Co., 3/4 mile northeast of Mt. Belvieu.		
Soil	3	3
Clay	12	15
Quicksand	5	20
Clay	80	100
Gumbo	100	200
Shale	40	240

(Continued on next page)

Table of Drillers' Logs, Chambers County--Continued

	Thickness (feet)	Depth (feet)
Driller's log of well 16--Continued		
Gumbo	103	343
Sand	30	373
TOTAL DEPTH		373

Driller's log of well 17

Crumpler Bros., ¼ mile northeast of Mt. Belvieu.

Soil and sand	20	20
Clay	20	40
Sandy shale	138	178
Hard shale	26	204
Fine-grained sand	33	237
Green shale	4	241
Fine-grained sand	42	283
Coarse-grained sand	21	304
TOTAL DEPTH		304

Driller's log of well 18

Crumpler Bros., ¼ mile northeast of Mt. Belvieu.

Sand, soil and clay	76	76
Sand	14	90
Sandy clay	93	183
Sand	7	190
Gumbo	4	194
Sand	44	238
Gumbo	10	248
Sandy shale	34	282
Sand and boulders	58	340
Sand, shale and boulders	68	408
Gumbo	24	432
Sandy shale	34	466
Sand	8	474
Gumbo	9	483
Coarse-grained sand	25	508
Gumbo	10	518
Fine-grained sand	52	570
Coarse-grained sand	30	600
Shale	3	603
TOTAL DEPTH		603

Driller's log of well 19

Crumpler Bros., ½ mile northeast of Mt. Belvieu.

Soil and sandy clay	30	30
Sand	14	44
Clay	8	52
Sandy clay	24	76
Sand	14	90
Gumbo	22	112
Sand	17	129
Gumbo	33	162
Sand	10	172
Gumbo	10	182
Sand	6	188
Gumbo	3	191
White coarse-grained sand	24	215
Blue fine-grained sand and wood	6	221
Light-blue gumbo	3	224
White coarse-grained sand	12	236
Sticky shale	18	254
TOTAL DEPTH		254

Driller's log of well 20

Crumpler Bros., ½ mile northeast of Mt. Belvieu.

Soil and clay	10	10
Sand	9	19
Clay	6	25
Sand	10	35
Sand and clay	25	60
Sand	16	76
Hard clay	6	82
Sand	10	92
Gumbo	17	109
Sand	21	130
Gumbo	9	139
Sand	6	145
Gumbo	40	185
Sandy shale	12	197
Sand	44	241
Gumbo and sand	40	281
TOTAL DEPTH		281

Driller's log of well 21

E. W. Winfree, ½ mile west of Mt. Belvieu.

Soil	3	3
Clay	162	165
Sand	15	180
TOTAL DEPTH		180

Driller's log of well 24

Asa Wilburn, 3/4 mile southeast of Mt. Belvieu.

Soil	2	2
Clay	58	60
Shale and fine-grained sand	9	69

(Continued on next page)

Table of Drillers' Logs, Chambers County--Continued

	Thickness (feet)	Depth (feet)
Driller's log of well 24--Continued		
Gumbo- - - - - -	21	90
Gumbo and shale - -	46	136
Sand - - - - - -	20	156
TOTAL DEPTH		156

Driller's log of well 25

Z. T. Wilburn, ¾ mile southeast of Mt. Belvieu.

Soil - - - - - -	2	2
Clay - - - - - -	28	30
Shale and fine-grained sand - - - - -	5	35
Clay and shale - -	85	120
Gumbo- - - - - -	112	232
Fine-grained sand- -	7	239
Gumbo- - - - - -	10	249
Black sand, water- -	10	259
Gumbo- - - - - -	101	360
Shale- - - - - -	33	393
Sand - - - - - -	27	420
TOTAL DEPTH		420

Driller's log of well 26

Sun Oil Co., 1¼ miles southeast of Mt. Belvieu.

Clay and sand- - -	99	99
Clay- - - - - -	12	111
Sand and boulders- -	42	153
Gumbo - - - - -	184	337
Sand and gravel - -	95	432
Rock- - - - - -	2	434
Sandy shale - - -	30	464
Sand- - - - - -	14	478
Gumbo - - - - -	128	606
Sand- - - - - -	18	624
Gumbo - - - - -	2	626
TOTAL DEPTH		626

Driller's log of well 27

Emery Barrow, 1½ miles southwest of Mt. Belvieu.

Soil - - - - - -	3	3
Clay - - - - - -	92	95
Fine-grained sand- -	10	105
Gumbo- - - - - -	21	126
Sand - - - - - -	13	139
TOTAL DEPTH		139

Driller's log of well 29

L. P. & Carl Smith, 2¼ miles southwest of Mt. Belvieu.

Soil - - - - - -	2	2
Clay - - - - - -	21	23
Shale and sand - -	10	33
Clay - - - - - -	37	70
Shale and gumbo - -	35	105
Sand - - - - - -	25	130
Shale and gumbo - -	90	220
Shale and sand - -	15	235
Gumbo- - - - - -	87	322
Sand - - - - - -	25	347
TOTAL DEPTH		347

Driller's log of well 30

K. M. Fitzgerald, 2¾ miles southwest of Mt. Belvieu.

Soil - - - - - -	3	3
Clay - - - - - -	67	70
Shale and fine-grained sand - - - - -	15	85
Clay - - - - - -	135	220
Shale and sand - -	7	227
Gumbo- - - - - -	101	328
Sand - - - - - -	40	368
TOTAL DEPTH		368

Driller's log of well 31

Old River Rice Co., 3¾ miles southwest of Mt. Belvieu.

Jointed clay - - -	60	60
Shale - - - - - -	40	100
Gumbo and shale - -	215	315
Shale and fine-grained sand- - - - - -	10	325
Sand - - - - - -	30	355
TOTAL DEPTH		355

Driller's log of well 32

Sol Donnelly, 3 miles southwest of Mt. Belvieu.

Soil - - - - - -	3	3
Clay - - - - - -	67	70
Sand - - - - - -	25	95
Gumbo- - - - - -	215	310
Shale- - - - - -	30	340
TOTAL DEPTH		340

Driller's log of well 42

Will Donnelly, 4¾ miles south of Mt. Belvieu.

Soil - - - - - -	3	3
Clay - - - - - -	97	100
Shale and clay - -	60	160
Shale and gumbo - -	60	220
Gumbo- - - - - -	101	321

Table of Drillers' Logs, Chambers County--Continued

	Thickness (feet)	Depth (feet)
Driller's log of well 42--Continued		
Sand	10	331
Shale	7	338
Sand	17	355
TOTAL DEPTH		355

Driller's log of well 44

Old River Rice Co., 5-3/4 miles south of Mt. Belvieu.

Soil	3	3
Red and yellow clay	177	180
Gumbo	40	220
Shale	40	260
Sand	30	290
TOTAL DEPTH		290

Driller's log of well 51

C. Vickers, 7½ miles southwest of Mt. Belvieu.

Clay	74	74
Sand	29	103
Shale	37	140
Shale and gumbo	60	200
Gumbo	125	325
Fine-grained sand, shale	10	335
Sand	11	346
TOTAL DEPTH		346

Driller's log of well 54

J. M. Fisher, 8 miles southwest of Mt. Belvieu.

Soil	3	3
Clay	79	82
Sand	8	90
Gumbo	21	111
Shale	39	150
Shale and soft gumbo	90	240
Gumbo	160	400
Shale and gumbo	15	415
Sand and rocks	5	420
Gumbo	55	475
Sand	33	508
TOTAL DEPTH		508

Driller's log of well 55

Old River Rice Co., 8 miles southwest of Mt. Belvieu.

Soil	3	3
Clay	57	60
Shale	15	75
Sand	11	86

	Thickness (feet)	Depth (feet)
Driller's log of well 55--Continued		
Gumbo and shale	174	260
Gumbo and shale	150	410
Rock and sand	10	420
Gumbo	25	445
Sand	12	457
Gumbo	18	475
Shale	10	485
Sand	35	520
TOTAL DEPTH		520

Driller's log of well 62

Odell Fisher, 9 miles south of Mt. Belvieu.

Soil	3	3
Clay	77	80
Sand	16	96
TOTAL DEPTH		96

Driller's log of well 63

B. D. Fisher, 9 miles south of Mt. Belvieu.

Soil	3	3
Clay	77	80
Sand	17	97
TOTAL DEPTH		97

Driller's log of well 67

Asa Wilburn, 10-3/4 miles south of Mt. Belvieu.

Soil	3	3
Clay	71	74
Sand	20	94
TOTAL DEPTH		94

Driller's log of well 84

F. H. Farda Est., 12¼ miles south of Mt. Belvieu.

Clay	10	10
Yellow sand	20	30
Gumbo	170	200
Sand	40	240
Gumbo	40	280
Sand and boulders	77	357
Gumbo and boulder	36	393
Shale and boulders	44	437
Hard gumbo and lime	13	450
Shale	13	463
Hard sand	2	465
Shale	2	467

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Table of Drillers' Logs, Chambers County--Continued

	Thickness (feet)	Depth (feet)
Driller's log of well 84--Continued		
Rock	3	470
Shale and boulders	4	474
Sandy shale	19	493
Sandy shale	15	508
Hard shale	20	528
Sand	60	588
Shale	11	599
Gumbo	6	605
Hard sand	5	610
Hard shale and lime	95	705
Broken shale and sand	25	730
Sand	25	755
TOTAL DEPTH		755
Driller's log of well 88		
Dr. - - Brown, 11½ miles south of Mt. Belvieu.		
Soil	3	3
Clay	107	110
Shale	10	120
Sand	28	148
Shale	47	195
Shale and gumbo	100	295
Gumbo	65	360
Shale	10	370
Sand	10	380
Fine-grained sand and shale	10	390
Sand	10	400
TOTAL DEPTH		400
Driller's log of well 93		
J. C. Fowler, 10¼ miles south of Mt. Belvieu.		
Soil	3	3
Clay	12	15
Quicksand	5	20
Clay	10	30
Quicksand	15	45
Clay	50	95
Sand	10	105
TOTAL DEPTH		105
Driller's log of well 100		
W. F. Lawrence, 9 miles southeast of Mt. Belvieu.		
Clay	125	125
Shale	25	150
Fine-grained sand and shale streaks	16	166
Fine-grained sand	30	196
TOTAL DEPTH		196

	Thickness (feet)	Depth (feet)
Driller's log of well 107		
E. E. Barrow, 8¼ miles southeast of Mt. Belvieu.		
Surface	24	24
Shale	197	221
Sand	22	243
Shale	43	286
Sand	54	340
TOTAL DEPTH		340
Driller's log of well 109		
Irvin Bishop, 8 miles southeast of Mt. Belvieu.		
Soil	3	3
Clay	122	125
Sand and shale	5	130
Gumbo	20	150
Sand	25	175
Shale	15	190
Gumbo	35	225
Sand	30	255
Gumbo and shale	45	300
Sand	42	342
Gumbo	58	400
Sand	70	470
Gumbo	140	610
Sand	24	634
TOTAL DEPTH		634
Driller's log of well 112		
Amos Lawrence Est., 7¼ miles southeast of Mt. Belvieu.		
Soil	3	3
Shale	52	55
Sand	5	60
Shale	10	70
Soft gumbo	65	135
Sand	10	145
Gumbo	60	205
Fine-grained sand	25	230
Soft gumbo	43	273
Gumbo and rock	2	275
Fine-grained sand	25	300
Gumbo	65	365
Sand	34	399
TOTAL DEPTH		399
Driller's log of well 116		
V. A. Lawrence, 7 miles southeast of Mt. Belvieu.		
Surface	24	24

(Continued on next page)

Table of Drillers' Logs, Chambers County--Continued

	Thickness (feet)	Depth (feet)
Driller's log of well 116--Continued		
Shale	124	148
Sand	49	197
Shale	11	208
Sand	44	252
Shale	133	385
Sand, water	44	429
TOTAL DEPTH		429

Driller's log of well 117

V. A. Lawrence, 6½ miles southeast of Mt. Belvieu.

Clay	125	125
Sand	29	154
Sticky shale	6	160
Sandy shale	10	170
Shale	60	230
Medium-grained sand	14	244
Sticky shale	18	262
Fine-grained sand	24	286
TOTAL DEPTH		286

Driller's log of well 118

V. A. Lawrence, 6½ miles southeast of Mt. Belvieu.

Clay	71	71
Sand	3	74
Gravel	1	75
Clay	15	90
Sandy clay	8	98
Gravel	2	100
Sandy clay	14	114
Sand	7	121
Clay	4	125
Fine-grained sand	16	141
Clay	7	148
Fine-grained sand	7	155
Clay	19	174
Fine-grained sand with lens of sand	31	205
Clay	29	234
Clay with lens of sand and gravel	16	250
Sand	12	262
Clay	2	264
Fine-grained sand, water-	4	268
Coarse-grained sand, water-	10	278
Gravel, water	6	284
Fine-grained sand, water-	6	290
Blue clay	15	305
Sand	10	315
Sandy clay	5	320
Sand and gravel	19	339
Clay	9	348
Gravel	2	350
Sandy shale	12	362
Sand	4	366
Clay	18	384
Sand and gravel	1	385
Clay	2	387
Fine-grained sand	3	390
Sandy clay	3	393
Clay	7	400
Sand and gravel, water-	43	443
TOTAL DEPTH		443

Driller's log of well 119

Salt Dome Oil Corp., 6⅓ miles southeast of Mt. Belvieu. Altitude at top of 2-inch tee on air line 5.0 feet above ground, 36.80 feet.

Clay and sand	185	185
Sand	27	212
Shale and sand	105	317
Sand	25	342
Shale	58	400
Sand	75	475
TOTAL DEPTH		475

Driller's log of well 122

Old River Rice Co., 4-3/4 miles southeast of Mt. Belvieu.

Soil	3	3
Clay	10	13
Quicksand	10	23
Yellow clay	117	140
Shale	19	159
Sand	20	179
TOTAL DEPTH		179

Driller's log of well 124

Ben Dutton, 4¼ miles southeast of Mt. Belvieu.

Soil	3	3
Clay	93	96
Shale	22	118
Sand	25	143
TOTAL DEPTH		143

Table of Drillers' Logs, Chambers County--Continued

	Thickness (feet)	Depth (feet)
Driller's log of well 128		
Jack Rosenau, 4 miles southeast of Mt. Belvieu.		
Clay	118	118
Sandy shale	10	128
Sand, water	21	149
TOTAL DEPTH		149
Driller's log of well 129		
C. O. Williams, 4 miles southeast of Mr. Belvieu.		
Soil	2	2
Clay	85	87
Coarse-grained sand	40	127
Shale	204	331
Sand	15	346
Shale	8	354
Sand	8	362
Shale	68	430
Sandy shale	10	440
Shale	30	470
Sand	18	488
TOTAL DEPTH		488
Driller's log of well 131		
Ernest Winfree, 4¾ miles southeast of Mt. Belvieu.		
Clay	32	32
Fine-grained yellow sand	3	35
Gumbo	45	80
Sand, salty water	18	98
Gumbo	277	375
Coarse-grained sand	27	402
TOTAL DEPTH		402
Driller's log of well 132		
Ernest Winfree, 5 miles southeast of Mt. Belvieu.		
Soil	3	3
Clay	112	115
Sand	6	121
Gumbo	6	127
Rock and boulders	8	135
Gumbo	50	185
Shale	19	204
Sand	18	222
TOTAL DEPTH		222
Driller's log of well 139		
C. T. Joseph Est., 4½ miles southeast of Mt. Belvieu. Altitude at ½-inch hole in base of pump, 0.7 foot above ground 33.44 feet.		
Soil	2	2
Clay	146	148
Sand	12	160
Shale	118	278
Sand	5	283
Shale	62	345
Sand	8	353
Shale	145	498
Sand	14	512
TOTAL DEPTH		512
Driller's log of well 140		
Hugh Welch, 4½ miles southeast of Mt. Belvieu. Altitude at ½-inch hole in base of pump, 0.8 foot above ground 30.73 feet.		
Clay	94	94
Sand, water	24	118
Shale with sand streaks	42	160
Sticky shale	110	270
Sandy shale	8	278
Sticky shale	62	340
Sand, water	26	366
Sticky shale	39	405
Sandy shale	7	412
Sticky shale	63	475
Sand, water	26	501
TOTAL DEPTH		501
Driller's log of well 141		
C. T. Joseph Est., 5 miles southeast of Mt. Belvieu.		
Clay	98	98
Sand	20	118
Gumbo and shale	147	265
Sandy shale	10	275
Gumbo	70	345
Sand	15	360
Gumbo	120	480
Sand	28	508
TOTAL DEPTH		508
Driller's log of well 145		
Mayes Est., 7½ miles east of Mt. Belvieu.		
Dark gray, soft, silty clay	9.2	9.2
Yellow fine-grained water-bearing sand	17.6	26.8
Blue hard sandy clay	7.5	34.3
Greenish blue hard clay	1.7	36.0

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Table of Drillers' Logs, Chambers County--Continued

	Thickness (feet)	Depth (feet)
Driller's log of well 143--Continued		
Blue hard sandy clay -	4.2	40.2
Medium gray firm clay- - - - -	3.0	43.2
White fine-grained sand- - - - -	37.8	81.0
TOTAL DEPTH		81.0
Driller's log of well 144		
Mayes Est., 7 miles east of Mt. Belvieu		
Dark-gray yellow-streaked medium firm clay - - -	4.5	4.5
Yellow soft sandy clay - - - -	3.5	8.0
Yellow plastic sandy clay - - - -	1.5	9.5
Yellow quicksand, water- - - -	18.5	28.0
Gray fine-grained quicksand- - -	6.0	34.0
Blue hard sandy clay-	4.5	38.5
Blue and yellow hard clay- - - -	1.5	40.0
Blue hard sandy clay- - - -	4.0	44.0
Blue tan-streaked clay- - - -	4.5	48.5
White fine-grained sand- - - -	10.5	59.0
TOTAL DEPTH		59.0
Driller's log of well 145		
Mayes Est., 6¾ miles east of Mt. Belvieu.		
Gray soft silty clay - - - - -	2.9	2.9
Gray yellow-streaked, soft sandy clay- -	1.6	4.5
Gray plastic clay- -	18.3	22.8
Gray clay- - - -	2.6	25.4
Blue and green-streaked sandy clay - - -	2.0	27.4
Gray fine-grained sand - - - -	16.2	43.6
Blue sandy clay - -	2.6	46.2
Gray clay- - - -	2.6	48.8
Blue tan-streaked clay-	5.2	54.0
Gray clay- - - -	1.3	55.3
Packsand - - - -	27.7	83.0
TOTAL DEPTH		83.0

	Thickness (feet)	Depth (feet)
Driller's log of well 146		
Mayes Est., 6¼ miles east of Mt. Belvieu.		
Dark-gray soft silty clay- - - - -	1.5	1.5
Gray plastic sandy clay- - - - -	5.0	6.5
Gray blue-streaked clay- - - - -	3.7	10.2
Dark-gray plastic clay- - - - -	4.9	15.1
Dark-gray clay - -	2.9	18.0
Blue and tan coarse-grained sand and clay- - - - -	3.5	21.5
Blue yellow-streaked tight clay - - -	3.5	25.0
Blue and yellow sandy clay - - -	5.6	30.6
Yellow fine-grained quicksand, water -	15.6	46.2
Light-gray hard clay -	5.4	51.6
TOTAL DEPTH		51.6
Driller's log of well 147		
Mayes Est., 6 miles southeast of Mt. Belvieu.		
Brown soft sandy loam- - - - - -	1.0	1.0
Yellowish-brown sand with loam - - -	3.0	4.0
Gray sand, water - -	6.0	10.0
Gray soft sandy clay -	14.3	24.3
Blue soft clay, some leaf mould - - -	3.0	27.3
Blue gray sandy clay -	2.7	30.0
Gray sand, water - -	28.0	58.0
Blue stiff clay - -	5.0	63.0
TOTAL DEPTH		63.0
Driller's log of well 148		
Mayes Est., 5½ miles southeast of Mt. Belvieu.		
Top of barge deck- -	0.0	0.0
To water surface - -	4.0	4.0
Depth to water - -	2.7	6.7
Black sandy silt - -	18.1	24.8
Gray plastic clay -	2.4	27.2
Dark-gray soft sandy clay- - - - -	2.0	29.2
Brown sandy clay - -	1.8	31.0
Coarse-grained sand, water - - - -	19.0	50.0
Brown, blue clay - -	0.6	50.6
Blue hard sandy clay with hard white rock- -	3.7	54.3

(Continued on next page)

Table of Drillers' Logs, Chambers County--Continued

	Thickness (feet)	Depth (feet)
Driller's log of well 148--Continued		
Coarse gravel and sand-	3.7	58.0
Blue, brown hard sandy clay - - - -	2.0	60.0
Brown, blue hard clay-	4.8	64.8
Oyster bed - - -	1.0	65.8
Blue hard sandy clay-	14.2	80.0
TOTAL DEPTH		80.0
Driller's log of well 149		
Mayes Est., 5 miles southeast of Mt. Belvieu.		
Brown soft loam - -	0.6	0.6
Brown yellow clay and shell - - -	0.7	1.3
Yellow soft brown clay - - - -	0.7	2.0
Yellow clay - - -	1.0	3.0
Yellow and gray clay and some white gravel- - - -	1.0	4.0
Yellow and gray clay-	2.0	6.0
Yellow and gray clay and some gravel- -	0.5	6.5
Yellow and gray clay-	1.5	8.0
Yellow and brown soft sandy clay with white sand streaks- - - -	0.5	8.5
Yellow and gray sandy clay - - - - -	0.5	9.0
Yellow sandy clay- -	0.5	9.5
Yellow and gray clay-	3.5	13.0
Yellow, gray, and brown streaked clay-	0.5	13.5
Yellow and gray sandy clay - - - - -	1.0	14.5
Yellow clay with white gravel - - - -	2.5	17.0
Grey and yellow clay -	4.4	21.4
Yellow, blue and gray clay - - - - -	1.1	22.5
Red, yellow and blue clay - - - - -	2.9	25.4
Yellow, red and blue sandy clay, water -	1.1	26.5
Red and gray clay- -	4.9	31.4
Yellow and blue clay -	9.6	41.0
Blue and brown clay -	4.9	45.9
TOTAL DEPTH		45.9
Driller's log of well 151		
Will Icet, $\frac{3}{4}$ miles east of Mt. Belvieu. Altitude at top of wood box curb 1.3 feet above ground 32.26 feet.		
Soil- - - - -	6	6
Clay- - - - -	124	130
Sand - - - - -	15	145
Gumbo, shale and sand - - - -	205	350
Gumbo - - - - -	129	479
Sand - - - - -	13	492
TOTAL DEPTH		492
Driller's log of well 152		
H. C. Icet, $4\frac{3}{4}$ miles east of Mt. Belvieu.		
Red clay - - - -	150	150
Gumbo- - - - -	20	170
Fine-grained sand- -	10	180
Gumbo- - - - -	30	210
Sand - - - - -	10	220
Hard gumbo - - -	60	280
Soft shale - - -	25	305
Coarse-grained sand -	35	340
Fine-grained sand- -	30	370
TOTAL DEPTH		370
Driller's log of well 174		
Mayes Est., $6\frac{1}{2}$ miles northwest of Anahuac.		
Black sandy top soil -	3.8	3.8
Gray soft sandy clay -	4	7.8
Yellow sticky clay- -	2	9.8
Yellow sand, water- -	14	23.8
Sand, water - - -	8	31.8
Brown and gray sandy clay with small shells-	8	39.8
Brown and blue clay -	1.7	41.5
Brown and blue streaked clay- - - - -	14.8	56.3
Brown and blue streaked hard clay - - -	2.4	58.7
Light-brown streaked hard clay - - -	0.8	59.5
Light-blue firm clay -	0.7	60.2
Brown and blue streaked clay - -	3.0	63.2
Light-blue clay - -	5.8	69.0
Blue sandy soft clay -	1.0	70.0
Blue sand, water - -	8.2	78.2
Blue soft sandy clay -	2.3	80.5
Blue sand, water - -	5.5	86.0
Blue soft sandy clay--	0.5	86.5
Blue sand, water - -	2.0	88.5
Blue clay- - - -	1.2	89.7
Blue sand, water - -	30.8	120.5
Blue clay- - - -	7.0	127.5
Blue sand, water - -	7.0	134.5
Blue soft sandy clay -	0.5	135.0
Blue sand, water - -	13.3	148.3
TOTAL DEPTH		148.3

Table of Drillers' Logs, Chambers County--Continued

	Thickness (feet)	Depth (feet)
Driller's log of well 175		
Mayes Est., 6½ miles northwest of Anahuac.		
Top of casing at barge surface	0.0	0.0
To water surface	3.8	3.8
Depth of water	7.7	11.5
Sand, silt, soft clay and gumbo	19.4	30.9
Blue clay	1.3	32.2
Blue and brown hard sandy clay	6.3	38.5
Gray hard clay	8.7	47.2
Brown and blue hard clay	1.3	48.5
Blue hard clay	9.8	58.3
Blue sandy clay	5.7	64.0
Blue hard clay	3.0	67.0
Sand, water	45.0	112.0
Blue soft clay	0.3	112.3
Sand	1.7	114.0
Shell bed	1.5	115.5
Sand	5.5	121.0
Blue soft clay	5.0	126.0
Sand	15.0	141.0
Blue soft clay	1.0	142.0
Sand	7.0	149.0
Blue soft clay	1.0	150.0
Sand	17.0	167.0
Blue soft clay	6.0	173.0
Sand	11.0	184.0
TOTAL DEPTH		184.0
Driller's log of well 182		
Stanolind Oil & Gas Co., 4½ miles north of Anahuac.		
Clay	31	31
Sand, water	17	48
Tough clay	19	67
Fine-grained sand	34	101
Clay	9	110
Sand, water	26	136
Shale	23	159
Sand	3	162
Shale	7	169
Sand, water	6	175
Tough clay	23	198
Sand	3	201
Shale	12	213
Sandy shale	7	220
Sand	1	221
Sandy shale	6	227
TOTAL DEPTH		227
Driller's log of well 183		
Stanolind Oil & Gas Co., 4½ miles north of Anahuac.		
Clay	11	11
Sand	43	54
Clay	29	83
Sand	23	106
Clay	11	117
Sand	19	136
Clay	4	140
TOTAL DEPTH		140
Driller's log of well 184		
Sun Oil Co., 4¼ miles north of Anahuac.		
Surface sand and clay	108	108
Shale, gravel and sand	88	196
Shale and gravel	420	616
Shale	100	716
Shale and sand	244	960
Sand and gravel	130	1090
Shale and sand	162	1252
TOTAL DEPTH		1252
Driller's log of well 205		
Lone Star Canal Co., in Anahuac.		
Sandy clay	3	3
Loose sand	28	31
Yellow clay	19	50
Gray sand	9	59
Clay	4	63
Gray sand	10	73
Sand and layers of sandy shale	15	88
Gray sand	22	110
Shale, shell and wood	32	142
Coarse-grained sand	29	171
Blue shale with sandy streaks	36	207
Dark-colored salt and pepper sand	42	249
Blue shale	6	255
TOTAL DEPTH		255
Driller's log of well 207		
G. Chambliss, in Anahuac.		
Gray clay	72	72
Fine-grained sand with clay	21	93
Fine-grained sand	12	105

(Continued on next page)

Table of Drillers' Logs, Chamber County--Continued

	Thickness (feet)	Depth (feet)
Driller's log of well 207--Continued		
Dark-gray clay- - -	10	115
Blue clay- - - -	25	140
Blue clay with fine grained sand and shell-	16	156
Blue sandy clay - -	10	166
Blue sandy clay with fine-grained sand -	15	181
Fine-grained sand with clay- - - - -	22	203
TOTAL DEPTH		203
Driller's log of well 231		
Layne & Bowler Co., 5 miles southeast of Anahuac.		
Loam - - - - -	2	2
Clay - - - - -	8	10
Sand - - - - -	24	34
Clay - - - - -	10	44
Sand - - - - -	39	83
Clay - - - - -	19	102
Gumbo - - - - -	48	150
Hard shale- - - -	19	169
Soft shale- - - -	15	184
Hard shale- - - -	13	197
Gumbo - - - - -	7	204
Sand - - - - -	46	250
Blue gumbo- - - -	13	263
Sand - - - - -	43	306
Blue gumbo- - - -	23	329
Hard shale- - - -	9	338
Soft shale- - - -	11	349
Sand - - - - -	7	356
Gumbo - - - - -	13	369
Clay - - - - -	7	376
Gumbo - - - - -	23	399
Sand - - - - -	33	432
Gumbo - - - - -	4	436
Clay - - - - -	6	442
Sand and gravel - -	32	474
Blue clay - - - -	29	503
Shale - - - - -	33	536
Sand - - - - -	18	554
Gumbo - - - - -	26	580
Shale - - - - -	19	599
Gumbo - - - - -	42	641
Blue shale- - - -	3	644
Tough clay- - - -	56	700
Gumbo - - - - -	57	757
Shale - - - - -	20	777
Sand - - - - -	8	785
Gumbo - - - - -	15	800
Sand - - - - -	12	812
"Hard pan"- - - -	8	820
Sand and gravel- - -	31	851
Gumbo- - - - -	18	869
TOTAL DEPTH		1050
Driller's log of well 237		
Humble Oil & Refg. Co., in Monroe City.		
Surface sand - - -	22	22
Clay - - - - -	3	25
Sand, water - - -	23	48
Clay - - - - -	3	51
TOTAL DEPTH - - -		51
Driller's log of well 238		
Humble Oil & Refg. Co., in Monroe City.		
Clay - - - - -	22	22
Sand - - - - -	25	47
Clay - - - - -	4	51
Sand - - - - -	8	59
Clay - - - - -	4	63
TOTAL DEPTH		63
Driller's log of well 243		
Humble Oil & Refg. Co., 1½ miles north of Monroe City.		
Clay - - - - -	91	91
Sand and gravel - -	4	95
Clay - - - - -	35	130
Sand, water - - -	17	147
TOTAL DEPTH		147
Driller's log of well 258		
Gulf Oil Corp. 6½ miles north of Monroe City.		
Surface clay - - -	15	15
Gumbo- - - - -	37	52
Sand - - - - -	58	110
Gumbo- - - - -	18	128
Sand - - - - -	21	149
Gumbo- - - - -	25	174
Sand - - - - -	22	196
Gumbo- - - - -	2	198
TOTAL DEPTH		198
Driller's log of well 261		
C. A. Fowler, 5½ miles north of Monroe City.		
Soil - - - - -	4	4
Clay - - - - -	8	12
Sand - - - - -	22	34
TOTAL DEPTH		34

Table of Drillers' Logs, Chambers County--Continued

	Thickness (feet)	Depth (feet)
Driller's log of well 289		
Lawrence Rowland, 6¼ miles northwest of Winnie.		
Clay	40	40
Oyster shell	20	60
Clay	106	166
Sand	14	180
TOTAL DEPTH		180
Driller's log of well 307		
H. M. Franzen, ½ mile northwest of Winnie.		
Clay	20	20
Blue fine-grained sand	80	100
Clay	40	140
Sand	22	162
TOTAL DEPTH		162
Driller's log of well 312		
W. P. Kunefke, 1¼ miles southeast of Winnie.		
Clay	20	20
Sand	3	23
Clay	99	122
Sand	18	140
TOTAL DEPTH		140
Driller's log of well 327		
J. B. Myers, 3½ miles south of Winnie.		
Clay	35	35
Quicksand	4	39
Clay	150	189
Sand	8	197
TOTAL DEPTH		197
Driller's log of well 386		
Guy Jackson, 8½ miles southeast of Eagle.		
Soil	3	3
Clay	47	50
Shale	25	75
Sand	20	95
Gumbo	95	190
Sand	20	210
TOTAL DEPTH		210
Driller's log of well 387		
John Jackson, 7¾ miles east of Eagle.		
Soil	2	2
Clay	68	70
Shale	30	100
Gumbo and shale	175	275
Shale and sand	20	295
Gumbo	25	320
Shale	25	345
Sand and shale	20	365
Gumbo	92	457
Shale	20	477
Gumbo	148	625
No record	44	669
TOTAL DEPTH		669
Driller's log of well 391		
Guy Jackson, 7 miles east of Eagle.		
Soil	3	3
Clay	77	80
Clay and shale	100	180
Gumbo	40	220
Shale	80	300
Sand	6	306
Shale	48	354
Sand	6	360
Gumbo	15	375
Sand	45	420
TOTAL DEPTH		420
Driller's log of well 398		
Bud Moss, 4¾ miles east of Eagle.		
Soil	3	3
Clay	57	60
Fine-grained sand	25	85
Gumbo	202	287
Sand	5	292
Shale	15	307
Gumbo	146	453
Sand	32	485
TOTAL DEPTH		485
Driller's log of well 429		
Geo. Wilburn, 2 miles southeast of Eagle.		
Soil	3	3
Clay	37	40
Shell	10	50
Clay	30	80
Gumbo	200	280
Shale	5	285
Sand	5	290
Gumbo and shale	46	336
Sand	31	367
TOTAL DEPTH		367

Table of Drillers' Logs, Chambers County--Continued

Driller's log of well 438

R. Barrow, 3¾ miles southeast of Eagle.

	Thickness (feet)	Depth (feet)
Soil- - - - -	3	3
Yellow clay - - -	37	40
Gumbo- - - - -	150	190
Shale- - - - -	10	200
Sand - - - - -	20	220
Shale- - - - -	80	300
Gumbo- - - - -	100	400
Shale- - - - -	35	435
Fine-grained sand- -	30	465
Gumbo- - - - -	20	485
Sand - - - - -	5	490
Gumbo- - - - -	55	545
Sand - - - - -	42	587
TOTAL DEPTH		587

Driller's log of well 450

D. L. Broussard, 5 miles southeast of Eagle.

	Thickness (feet)	Depth (feet)
Soil- - - - -	3	3
Clay - - - - -	47	50
Gumbo and shale - -	80	130
Fine-grained sand - -	5	135
Gumbo- - - - -	35	170
Shale- - - - -	15	185
Gumbo- - - - -	20	205
Sand - - - - -	2	207
Shale- - - - -	100	307
Gumbo- - - - -	18	325
Shale and gumbo - -	45	370
Gumbo- - - - -	185	555
Sand - - - - -	17	572
TOTAL DEPTH		572

Logs of test holes drilled by W. P. A. labor in Chambers County, Texas

	Thickness (feet)	Depth (feet)
500		
Side of State Highway, 2½ miles north of Mt. Belvieu.		
Sandy clay - - -	11	11
Fine-grained sand -	3	14
Water level, 1.2 feet below land surface, 2 weeks after hole completed. March 26, 1941.		
501		
Side of county road, 1½ miles north of Mt. Belvieu.		
Fine-grained sand -	2	2
Sandy clay and gravel-	9	11
Clayey fine-grained sand - - - - -	11	22
Water level, 1.9 feet below land surface, 2 weeks after hole completed. March 26, 1941.		
502		
Three miles west of Mt. Belvieu.		
Sandy clay- - -	4	4
Sandy clay and some gravel - - -	5	9
Water level, 4.2 feet below land surface, 2 weeks after hole completed. March 26, 1941.		
503		
Side of canal, 1¾ miles west of Mt. Belvieu.		
Sandy clay - - -	7	7
Sandy clay and some gravel - - -	3	10
Sandy clay - - -	11	21
Water level, 2.6 feet below top of land surface, 2 weeks after hole completed. March 26, 1941.		
504		
Side of county road, ¾ mile northwest of Mt. Belvieu.		
Sandy clay - - -	20	20
Fine-grained sand- -	2	22
Water level, 4.7 feet below land surface, 2 weeks after hole completed. March 26, 1941.		
505		
Pat Higgins tract, ½ mile northwest of Mt. Belvieu.		
Sandy clay - - -	20	20
Water level, 4.2 feet below land surface, 2 weeks after hole completed. March 26, 1941.		
506		
Side of county road, ¾ mile north of Mt. Belvieu.		
Fine-grained sand -	1	1
Sandy clay - - -	9	10
Fine-grained sand -	11	21
Water level, 8.3 feet below land surface, 2 weeks after hole completed. March 26, 1941.		
507		
Side of county road, 1¾ miles northeast of Mt. Belvieu.		
Sandy clay - - -	15	15
Fine-grained sand -	3	18
Sandy clay - - -	10	28
Water level, 0.7 foot below land surface, 2 weeks after hole completed. March 25, 1941.		
508		
Side of county road, ¾ mile west of Mt. Belvieu.		
Sandy clay - - -	5	5
Clayey sand - - -	3	8
Sandy clay - - -	4	12
Clayey sand - - -	1	13
Sandy clay - - -	15	28
Water level, 5.3 feet below land surface. March 26, 1941.		
509		
Side of Courthouse yard, in Mt. Belvieu.		
Fine-grained sand -	4	4
Sandy clay - - -	24	28
April 9, 1941.		

Logs of W. P. A. test holes in Chambers County--Continued

	Thickness (feet)	Depth (feet)
510		
Side of State Highway, 1¼ miles south of Mt. Belvieu.		
Sandy brown clay - -	5	5
Sandy clay and gravel - - - -	12	17
Fine-grained sand- -	4	21
Water level, 3.3 feet below land surface, 1 week after hole completed. March 11, 1941.		
511		
Side of State Highway, 2½ miles south of Mt. Belvieu.		
Sandy brown clay - -	22	22
March 11, 1941.		
512		
Side of State Highway, 3½ miles south of Mt. Belvieu.		
Sandy clay - - -	27	27
Water level, 2.0 feet below land surface, 1 week after hole completed. March 11, 1941.		
513		
Side of State Highway, 4½ miles southwest of Mt. Belvieu.		
Sandy clay - - -	6	6
Sandy clay and fine gravel - - - -	7	13
Clay - - - - -	9	22
Water level, 2.4 feet below land surface, 2 weeks after hole completed. March 26, 1941.		
514		
Side of State Highway, 5¼ miles southwest of Mt. Belvieu.		
Sandy clay - - -	30	30
Water level, 3.2 feet below land surface, 2 weeks after hole completed. March 27, 1941.		
515		
Side of county road, 5½ miles south of Mt. Belvieu.		
Sandy clay - - -	14	14
Fine-grained sand- -	4	18
Sandy clay- - - -	7	25
Water level, 14.2 feet below land surface, 5 days after hole completed. March 11, 1941.		
516		
Side of county road, 6¾ miles southwest of Mt. Belvieu.		
Sandy clay- - - -	15	15
Fine-grained sand - -	6	21
Clayey sand - - -	2	23
March 27, 1941.		
517		
Side of county road, 7½ miles southwest of Mt. Belvieu.		
Sandy clay- - - -	22	22
Water level, 1.1 feet below land surface, 1 week after hole completed. March 27, 1941.		
518		
Side of county road, 8¼ miles southwest of Mt. Belvieu.		
Sandy clay- - - -	19	19
Silty fine-grained sand-	6	25
Sandy clay- - - -	2	27
March 27, 1941.		
519		
Side of county road, 8½ miles south of Mt. Belvieu.		
Sandy clay- - - -	3	3
Sandy clay and fine gravel - - - -	2	5
Sandy clay- - - -	7	12
Clay - - - - -	16	28
Sandy clay- - - -	3	31
Silty fine-grained sand - - - -	6	37
Water level, 3.0 feet below land surface, 2 weeks after hole completed. April 9, 1941.		
520		
Side of county road, 9 miles southwest of Mt. Belvieu.		
Sandy clay	5±	5±

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Logs of W. P. A. test holes in Chambers County--Continued

	Thickness (feet)	Depth (feet)
520--Continued		
Water level, 4.2 feet below land surface, 2 weeks after hole completed. April 5, 1941.		
521		
Side of county road, 9¾ miles southwest of Mt. Belvieu.		
Sandy clay- - - -	23	23
April 5, 1941.		
522		
Side of county road, 10¼ miles south of Mt. Belvieu.		
Sandy clay- - - -	13	13
Silty fine-grained sand - - - - -	5	18
Clay - - - - -	6	24
Water level, 11.0 feet below land surface, April 5, 1941.		
523		
Side of county road, 11½ miles south of Mt. Belvieu.		
Sandy clay - - -	4	4
Fine-grained clayey sand - - - - -	7	11
Sandy clay - - -	2	13
Brown clay - - -	15	28
Water level, 2.3 feet below land surface, 2 weeks after hole completed. April 8, 1941.		
524		
Side of county road, 12¼ miles south of Mt. Belvieu.		
Sandy clay - - -	12	12
Clayey fine-grained sand and some shell-	1	13
Sandy clay - - -	4	17
Water level, 1.7 feet below land surface, 2 weeks after hole completed. April 8, 1941.		
525		
Side of county road, 13 miles south of Mt. Belvieu.		
Sandy clay - - -	7	7
Clayey sand - - -	3	10
Medium to fine-grained sand - - - - -	10	20
Water level, 6.5 feet below land surface, 2 weeks after hole completed. April 8, 1941.		
526		
Side of county road, 13¼ miles south of Mt. Belvieu.		
Sandy clay - - -	6	6
Sandy clay and fine gravel - - - - -	3	9
Sandy clay - - -	17	26
Water level, 6.8 feet below land surface, 2 weeks after hole completed. April 8, 1941.		
527		
Side of county road, 12¾ miles south of Mt. Belvieu.		
Sandy clay - - -	21	21
Water level, 2.6 feet below land surface, 2 weeks after hole completed. April 8, 1941.		
528		
Side of county road, 11 miles south of Mt. Belvieu.		
Sandy clay and some fine gravel- - -	9	9
Silty fine-grained sand - - - - -	3	12
Sandy clay - - -	13	25
Water level, 2.2 feet below land surface, 3 weeks after hole completed. April 8, 1941.		
529		
Side of county road, 10¾ miles south of Mt. Belvieu.		
Sandy clay - - -	11	11

(Continued on next page)

Logs of W. P. A. test holes in Chambers County--Continued

	Thickness (feet)	Depth (feet)
529--Continued		
Silty fine-grained sand	3	14
Sandy clay	6	20
Silty clayey sand	4	24
Water level, 12± feet below land surface, 2 weeks after hole completed. April 9, 1941.		
530		
-- Epperson, 10½ miles south of Mt. Belvieu.		
Sandy loam	3	3
Sandy clay and fine gravel	2	5
Silty fine-grained sand	5	10
Silty sandy clay	3	13
Silty fine-grained sand	5	18
Water level, 3.3 feet below land surface, 2 weeks after hole completed. April 9, 1941.		
531		
Side of county road, 8¼ miles south of Mt. Belvieu.		
Sandy clay	7	7
Silty fine-grained sand	10	17
Sandy clay	3	20
Water level, 2.9 feet below land surface, 2 weeks after hole completed. April 8, 1941.		
532		
Side of county road, 8½ miles south of Mt. Belvieu.		
Sandy clay	13	13
Silty fine-grained sand	4	17
Sandy clay	4	21
Clay	1	22
Water level, 2.3 feet below land surface, 1½ weeks after hole completed. April 8, 1941.		
533		
Side of county road, 8½ miles southeast of Mt. Belvieu.		
Sandy clay	17	17
Fine-grained sand	5	22
Clay	3	25
Water level, 1.6 feet below land surface, 1½ weeks after hole completed. March 25, 1941.		
534		
Side of county road, 7½ miles southeast of Mt. Belvieu.		
Clay	8	8
Sandy clay	2	10
Fine-grained sand	2	12
Sandy clay	10	22
March 25, 1941.		
535		
Side of county road, 6½ miles southeast of Mt. Belvieu.		
Sandy clay	19	19
Fine-grained sand	3	22
Clay	7	29
Water level, 0.9 foot below land surface, 1½ weeks after hole completed. March 25, 1941.		
536		
Side of county road, 5 miles southeast of Mt. Belvieu.		
Sandy clay	9	9
Fine-grained sand	2	11
Sandy clay	9	20
Fine-grained sand	2	22
Water level, 0.8 foot below land surface, 1½ weeks after hole completed. March 25, 1941.		
537		
Side of county road, 4½ miles southeast of Mt. Belvieu.		
Sandy clay	18	18
Water level, 1.3 feet below land surface, 3 weeks after hole completed. April 8, 1941.		

Logs of W. P. A. test holes in Chambers County--Continued

	Thickness (feet)	Depth (feet)
538		
Four miles southeast of Mt. Belvieu.		
Sandy clay - - -	2	2
Sandy clay and fine gravel - - - -	4	6
Clayey fine-grained sand - - - -	1	7
Sandy clay and fine gravel - - - -	5	12
Water level, 3.6 feet below land surface, 3 weeks after hole completed. April 8, 1941.		
539		
C. D. Harman, 4 miles southeast of Mt. Belvieu.		
Sandy clay - - -	25	25
Water level, 9.0 feet below land surface, 3 weeks after hole completed. April 8, 1941.		
540		
Side of county road, 4¾ miles southeast of Mt. Belvieu.		
Clay - - - - -	31	31
March 25, 1941.		
541		
Sandy clay - - -	13	13
Fine-grained sand- -	1	14
Clay- - - - -	4	18
March 25, 1941.		
542		
Side of county road, 4¼ miles east of Mt. Belvieu.		
Sandy clay - - -	32	32
Water level, 8.0 feet below land surface, 2 weeks after hole completed. March 25, 1941.		
543		
Side of county road, 4 miles northeast of Mt. Belvieu.		
Sandy clay - - -	26	26
Water level, 1.3 feet below land surface, 2 weeks after hole completed. March 25, 1941.		
544		
Side of county road, 3½ miles northeast of Mt. Belvieu.		
Sandy clay - - -	4	4
Sandy clay and some gravel- - - -	2	6
Clayey sand - - -	7	13
Sand- - - - -	1	14
Sandy clay - - -	10	24
March 25, 1941.		
545		
Side of county road, 3 miles northeast of Mt. Belvieu.		
Sandy clay - - -	25	25
Water level, 2.2 feet below land surface, 8 days after hole completed. March 14, 1941.		
546		
Side of county road, 8½ miles northwest of Anahuac.		
Clay- - - - - -	8	8
Clayey fine-grained sand - - - -	12	20
Fine-grained sand -	4	24
Struck water at 8 feet. Water level, 4 feet below land surface, ¼ hour after hole completed. July 1, 1941.		
547		
Side of county road, 8¼ miles north of Anahuac.		
Clay- - - - -	11	11
Fine-grained sandy clay - - - -	2	13
Clay- - - - -	10	23
July 1, 1941.		
548		
Side of county road, 7¼ miles north of Anahuac.		
Sandy clay - - -	32	32
Water level, 3.3 feet below land surface, 1 month after hole completed. July 1, 1941.		

Logs of W. P. A. test holes in Chambers County--Continued

	Thickness (feet)	Depth (feet)
549		
Side of county road, 5 miles north of Anahuac.		
Sandy clay - - -	6	6
Fine-grained sand- -	18	24
Water level, 3 feet below land surface, ¼ hour after hole completed. July 1, 1941.		
550		
Side of county road, 5 miles northwest of Anahuac.		
Sand - - - - - -	11	11
Medium-grained sand -	7	18
July 1, 1941.		
551		
Side of county road, 5½ miles northwest of Anahuac.		
Clay - - - - -	4	4
Fine-grained sand- -	6	10
July 1, 1941.		
552		
Side of county road, 4½ miles north of Anahuac.		
Clay- - - - -	4	4
Fine-grained clayey sand - - - -	14	18
Clay- - - - -	1	19
Fine-grained sand -	2	21
Sandy clay - - -	15	36
Fine-grained sand -	7	43
Water level, 3.5 feet below land surface, ¼ hour after hole completed. July 1, 1941.		
553		
Side of county road, 4¼ miles northeast of Anahuac.		
Clay - - - - -	20	20
Fine-grained sand- -	8	28
Fine-grained sandy clay-	2	30
July 1, 1941.		
554		
Side of State Highway 5½ miles northeast of Anahuac.		
Fine-grained sand- -	1	1
Sandy red clay - - -	2	3
Fine-grained sand - -	5	8
Clay- - - - -	6	14
Fine-grained sand - -	2	16
Water level, 2.7 feet below land surface, 2 weeks after hole completed. June 6, 1941.		
555		
Side of State Highway, 4¾ miles northeast of Anahuac.		
Sandy clay - - -	3	3
Sandy clay and some fine gravel- - -	4	7
Sandy clay- - - -	10	17
Fine-grained sand and gravel- - - -	4	21
June 6, 1941.		
556		
Side of State Highway, 3½ miles northeast of Anahuac.		
Sandy clay - - -	7	7
Fine-grained sand- -	5	12
Red clay- - - -	3	15
Fine-grained sand and gravel - - - -	5	20
June 6, 1941.		
557		
Side of State Highway, 4 miles northeast of Anahuac.		
Clay - - - - - -	7	7
Clayey sand - - -	4	11
Fine-grained sand- -	6	17
Sandy clay- - - -	5	22
Fine-grained sand- -	4	26
Sandy clay- - - -	6	32
June 6, 1941.		
558		
Side of county road, 2¾ miles northeast of Anahuac.		
Clay - - - - - -	15	15
Sandy clay and some gravel - - - - -	5	20
Fine-grained sand- -	1	21
Clay - - - - - -	17	38

(Continued on next page)

Logs of W. P. A. test holes in Chambers County--Continued

	Thickness (feet)	Depth (feet)
558--Continued		
Fine-grained sand- -	2	40
Water level, 2.6 feet below land surface, 1 month after hole completed. June 6, 1941.		
559		
Side of State Highway, 3¾ miles northeast of Anahuac.		
Clay - - - - - -	17	17
Clayey sand - - -	3	20
Water level, 1.3 feet below land surface, 1 month after hole completed. June 10, 1941.		
560		
Side of State Highway, 2 miles northeast of Anahuac.		
Sandy clay - - -	18	18
Struck water at 8 feet. Water level, 1.7 feet below land surface, 1 month after hole completed. June 10, 1941.		
561		
Side of county road, ¾ mile northeast of Anahuac.		
Sandy clay - - -	5	5
Fine-grained sand- -	11	16
Fine sandy gravel- -	8	24
Struck water at 6 feet. Water level, 2.3 feet below land surface, 1 month after hole completed. June 10, 1941.		
562		
Side of county road, 2 miles east of Anahuac.		
Sandy clay - - -	24	24
Water level, 2.0 feet below land surface, 24 hours after hole completed. April 15, 1941.		
563		
Side of county road, 4 miles east of Anahuac.		
Sandy clay- - - -	23	23
Water level, 1.8 feet below land surface, 18 hours after hole completed. April 15, 1941.		
564		
Side of county road, 3 miles east of Anahuac.		
Sandy clay- - - -	20	20
Water level, 1.6 feet below land surface, 24 hours after hole completed. April 15, 1941.		
565		
Side of county road, ½ mile south of Anahuac.		
Sandy clay- - - -	37	37
Water level, 6.4 feet below land surface, 1 week after hole completed. April 14, 1941.		
566		
Side of county road, 1½ miles south of Anahuac.		
Sandy clay- - - -	23	23
Silty fine-grained sand- - - - -	2	25
Water level, 11.8 feet below land surface, 1 week after hole completed. April 14, 1941.		
567		
Side of county road, 3½ miles southeast of Anahuac.		
Sandy clay- - - -	17	17
Fine-grained sand- -	1	18
Sandy clay- - - -	12	30
Water level, 4.2 feet below land surface, 48 hours after hole completed. April 15, 1941.		
568		
Side of county road, 5 miles southeast of Anahuac.		
Clayey sand - - -	4	4
Fine-grained sand- -	9	13
Water level, 3.7 feet below land surface, 5 weeks after hole completed. July 8, 1941.		

Logs of W. P. A. test holes in Chambers County--Continued

	Thickness (feet)	Depth (feet)
569		
Side of county road, 2½ miles south of Anahuac.		
Sandy clay - - -	17	17
Fine-grained sand- -	4	21
Water level, 15.3 feet below land surface, 1 week after hole completed. April 14, 1941.		
570		
Side of county road, 2¾ miles southeast of Anahuac.		
Clay - - - - -	28	28
Silty fine-grained sand - - - - -	2	30
Water level, 1.3 feet below land surface, 1 month after hole completed. June 3, 1941.		
571		
Side of county road, 3¼ miles southeast of Anahuac.		
Clay - - - - -	15	15
Fine-grained sand- -	3	18
Clay- - - - -	10	28
Sandy clay - - -	2	30
June 3, 1941.		
572		
Side of county road, 3¾ miles southeast of Anahuac.		
Clay - - - - -	30	30
Water level, 0.5 foot below land surface, 1 month after hole completed. June 3, 1941.		
573		
Side of county road, 4½ miles south of Monroe City.		
Sandy clay - - -	20	20
Clayey fine-grained yellow sand- - -	4	24
Water level, 2.6 feet below land surface, 5 weeks after hole completed. July 8, 1941.		
574		
Side of county road, 4 miles south of Monroe City.		
Sandy clay - - -	3	3
Sandy clay and oyster shell - -	1	4
Clayey sand- - -	10	14
Clayey sand and oyster shell - -	4	18
Clayey sand - - -	1	19
Fine-grained sand -	2	21
Clayey sand- - -	6	27
Water level, 8.2 feet below land surface, 5 weeks after hole completed. July 8, 1941.		
575		
Side of county road, 4¼ miles southeast of Monroe City.		
Sandy clay - - -	4	4
Fine-grained sand -	6	10
Water level, 2.4 feet below land surface, 5 weeks after hole completed. July 8, 1941.		
526		
Side of county road, 2½ miles southeast of Monroe City.		
Sandy clay - - -	13	13
Water level, 2.7 feet below land surface, 20 hours after hole completed. April 15, 1941.		
577		
Side of county road, 2 miles southeast of Monroe City.		
Sandy clay - - -	11	11
Sand - - - - -	2	13
Water level, 2.9 feet below land surface, 3 weeks after hole completed. April 15, 1941.		
578		
Side of county road, 1½ miles south of Monroe City.		
Sand - - - -	2	2
Sandy clay - - -	33	35
Water level, 3.7 feet below land surface, 18 hours after hole completed. April 15, 1941.		

Logs of W. P. A. test holes in Chambers County--Continued

	Thickness (feet)	Depth (feet)
579		
Side of county road, 1¼ miles southwest of Monroe City.		
Sandy clay- - - -	20	20
Water level, 2.8 feet below land surface, 18 hours after hole completed. April 15, 1941.		
580		
Side of State Highway, 1¾ miles east of Monroe City.		
Clay - - - - -	15	15
Clay and some medium gravel - - - -	3	18
Water level, 0.8 foot below land surface, 3 weeks after hole completed. June 5, 1941.		
581		
Side of State Highway, ¾ mile east of Monroe City.		
Clay - - - - -	21	21
Water level, 1.1 feet below land surface, 3 weeks after hole completed. June 5, 1941.		
582		
Side of State Highway, ½ mile west of Monroe City.		
Clay - - - - -	5	5
Sandy clay - - -	3	8
Clay and gravel - -	3	11
Clay - - - - -	6	17
Sandy clay and some fine gravel- - -	3	20
Water level, 2.8 feet below land surface, 1 month after hole completed. June 10, 1941.		
583		
Side of State Highway, 1½ miles west of Monroe City.		
Clay - - - - -	8	8
Sandy clay - - -	3	11
Fine-grained sand- -	2	13
Sandy clay - - -	4	17
Clay - - - - -	4	21
Water level, 1.1 feet below land surface, 1 month after hole completed. June 6, 1941.		

	Thickness (feet)	Depth (feet)
584		
Side of county road, 1¼ miles northeast of Monroe City.		
Sandy clay - - -	23	23
Water level, 2.1 feet below land surface, 5 weeks after hole completed. July 1, 1941.		
585		
Side of county road, 2¼ miles northeast of Monroe City.		
Clayey sand - - -	23	23
July 2, 1941.		
586		
Side of county road, 3¼ miles north of Monroe City.		
Sandy clay - - -	5	5
Fine-grained white sand - - - -	2	7
Fine-grained yellow sand- - -	3	10
Water level, 3.1 feet below land surface, 6 weeks after hole completed. July 2, 1941.		
587		
Side of State Highway, 4¾ miles northwest of Monroe City.		
Sandy clay- - - -	13	13
Fine-grained sand- -	1	14
Sandy clay- - - -	5	19
Struck water at 8 feet. Water level, 4 feet below land surface, ¼ hour after hole completed. June 6, 1941.		
588		
Side of State Highway, 5½ miles northwest of Monroe City.		
Fine-grained sand- -	15	15
June 6, 1941.		
589		
Side of county road, 5 miles northwest of Monroe City.		
Sandy clay - - -	15	15
Fine-grained sand- -	1	16
Sandy clay - - -	2	18
Water level, 2.3 feet below land surface, 1 month after hole completed. June 6,1941.		

Logs of W. P. A. test holes in Chambers County--Continued

	Thickness (feet)	Depth (feet)
590		
Side of State Highway, 6 miles northwest of Monroe City.		
Fine-grained sand - -	2	2
Sandy clay - - -	2	4
Fine-grained sand - -	18	22
Water level, 5.0 feet below land surface, 1 month after hole completed. June 6, 1941.		
591		
Side of county road, 6¾ miles northwest of Monroe City.		
Clay - - - - -	6	6
Sandy clay - - -	21	27
June 6, 1941.		
592		
Side of county road, 6½ miles north of Monroe City.		
Clay - - - - -	8	8
Fine-grained sand- -	3	11
Clay - - - - -	3	14
Water level, 1.5 feet below land surface, 1 month after hole completed. June 6, 1941.		
593		
Side of county road, 6 miles north of Monroe City.		
Fine-grained sand- -	2	2
Clay - - - - -	2	4
Sandy clay - - -	5	9
Clay - - - - -	4	13
Sandy clay - - -	3	16
Water level, 2.6 feet below land surface, 1 month after hole completed. June 6, 1941.		
594		
Side of county road, 4¾ miles north of Monroe City.		
Sandy clay - - -	6	6
Sandy clay and some gravel - - - -	1	7
Sandy clay - - -	11	18
Water level, 1.3 feet below land surface, 1 month after hole completed. June 6, 1941.		
595		
Side of county road, 4¾ miles north of Monroe City.		
Fine-grained sand - -	2	2
Sandy clay - - -	2	4
Fine-grained sand - -	11	15
Water level, 2.4 feet below land surface, 1 month after hole completed. June 6, 1941.		
596		
Side of county road, 5 miles northeast of Monroe City.		
Sandy clay- - - -	20	20
Water level, 1.7 feet below land surface, 6 weeks after hole completed. July 1, 1941.		
597		
Side of county road, 6 miles northeast of Monroe City.		
Sandy clay- - - -	25	25
Water level, 1.2 feet below land surface, 7 weeks after hole completed. July 2, 1941.		
598		
Side of State Highway, 2¾ miles east of Monroe City.		
Clay - - - - -	20	20
Water level, 0.7 feet below land surface, 3 weeks after hole completed. June 5, 1941.		
599		
B. E. Quinn tract, 3¾ miles east of Monroe City.		
Fine-grained sand - -	2	2
Sandy clay and some gravel- - - -	10	12
Fine-grained sand - -	2	14
Sandy clay - - -	19	33
Water level, 3.1 feet below land surface, 3 weeks after hole completed. June 5, 1941.		

Logs of W. P. A. test holes in Chambers County--Continued

	Thickness (feet)	Depth (feet)
600		
Side of State Highway, 4¾ miles east of Monroe City.		
Clay and some large gravel	16	16
Sand	3	19
Clay	3	22
Water level, 0.7 foot below land surface, 3 weeks after hole completed. June 6, 1941.		
601		
Side of highway, 5¾ miles east of Monroe City.		
Clay	8	8
Sand	2	10
Clay	13	23
Sandy clay and some gravel	4	27
Medium-grained sand	5	32
Water level, 0.7 foot below land surface, 3 weeks after hole completed. June 5, 1941.		
602		
Side of county road, 5¼ miles east of Monroe City.		
Fine-grained sand	2	2
Clay	3	5
Fine-grained sand	5	10
Water level, 3.0 feet below land surface, 2 weeks after hole completed. June 5, 1941.		
603		
Three and one-half miles southeast of Monroe City.		
Fine-grained sand	4	4
Clay	5	9
Fine-grained sand	3	12
Water level, 1.5 feet below land surface, ¼ hour after hole completed. June 3, 1941.		

	Thickness (feet)	Depth (feet)
604		
Side of county road, 5¾ miles southeast of Monroe City.		
Fine-grained sand	3	3
Sandy clay	4	7
Fine-grained sand	14	21
Water level, 2.3 feet below land surface, 2 weeks after hole completed. June 5, 1941.		
605		
Five and one-fourth miles southeast of Monroe City.		
Fine-grained sand	3	3
Red clay	8	11
Fine-grained sand	13	24
Water level, 4 feet below land surface, ¼ hour after hole completed. June 3, 1941.		
606		
Side of county road, 6 miles southeast of Monroe City.		
Clay	31	31
Water level, 0.5 foot below land surface, 2 weeks after hole completed. June 5, 1941.		
607		
Side of county road, 5 miles southeast of Monroe City.		
Sandy clay	3	3
Sandy clay and some fine gravel	7	10
Clay	13	23
Sandy clay and some fine gravel	1	24
Water level, 0.6 foot below land surface, 2 weeks after hole completed. June 5, 1941.		
608		
Side of county road, 5¾ miles southeast of Monroe City.		
Clayey sand	11	11
Sandy clay	22	33
Water level, 2.7 feet below land surface, 1 month after hole completed. July 8, 1941.		

Logs of W. P. A. test holes in Chambers County--Continued

	Thickness (feet)	Depth (feet)
[illegible]		
Side of county road, 6½ miles southeast of Monroe City.		
Sandy clay- - - -	9	9
Fine-grained sand and some gravel- -	14	23
Water level, 5.7 feet below land surface, 1 month after hole completed. July 8, 1941.		
610		
Side of county road, 4¾ miles southwest of Winnie.		
Sandy clay	7	7
Clay - - - - -	7	14
Sand - - - - -	8	22
Clay - - - - -	10	32
Water level, 1.7 feet below land surface, 3 weeks after hole completed. June 5, 1941.		
611		
Side of county road, 4 miles southwest of Winnie.		
Clay - - - - -	12	12
Sandy clay - - -	3	15
Clay - - - - -	15	30
Water level, 0.7 foot below land surface, 3 weeks after hole completed. June 5, 1941.		
612		
Side of highway, 5¾ miles southwest of Winnie.		
Clay - - - - -	12	12
Fine-grained sand- -	12	24
Water level, 10 feet below land surface, 3 weeks after hole completed. June 5, 1941.		
613		
Side of county road, 6 miles west of Winnie.		
Sandy clay - - -	14	14
Fine-grained sand- -	7	21
Struck water at 5 feet. Water level, 2.3 feet below land surface, 3 weeks after hole completed. July 2, 1941.		
614		
Side of county road, 6 miles west of Winnie.		
Sandy clay- - - -	18	18
Fine-grained yellowish sand- - - - -	8	26
Struck water at 3 feet. Water level, 2.6 feet below land surface, 3 weeks after hole completed. July 2, 1941.		
615		
Side of county road, 6 miles west of Winnie.		
Sandy clay- - - -	25	26
Struck water at 9 feet. Water level, 3.7 feet below land surface, 3 weeks after hole completed. July 2, 1941.		
616		
Side of county road, 7¼ miles northwest of Winnie.		
Clay - - - - -	6	6
Fine-grained sand - -	10	16
Water level, 1.2 feet below land surface, 7 weeks after hole completed. July 2, 1941.		
617		
Side of county road, 6¼ miles northwest of Winnie.		
Sandy clay and some gravel - - - -	25	25
Water level, 1.5 feet below land surface, 7 weeks after hole completed. July 2, 1941.		
618		
Side of county road, 5½ miles northwest of Winnie.		
Sandy clay - - -	25	25
Water level, 2.0 feet below land surface, 5 weeks after hole completed. July 2, 1941.		
619		
Side of county road, 4¾ miles northwest of Winnie.		
Sandy red clay- - -	6	6

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Logs of W. P. A. test holes in Chambers County--Continued

	Thickness (feet)	Depth (feet)
619--Continued		
Fine-grained sand- -	2	8
Sandy clay - - -	6	14
Fine-grained sand- -	6	20
Struck water at 8 feet. Water level, 3.8 feet below land surface, 2 weeks after hole completed. July 2, 1941.		
620		
Side of county road, 4 miles northwest of Winnie.		
Sandy clay- - - -	8	8
Fine-grained sand- -	5	13
Struck water at 9 feet. Water level, 9 feet below land surface, 2 weeks after hole completed. July 2, 1941.		
621		
Side of county road, 4½ miles northwest of Winnie.		
Sandy clay - - -	13	13
Fine-grained sand- -	14	27
Water level, 0.9 foot below land surface, 5 weeks after hole completed. July 2, 1941.		
622		
Side of county road, 3½ miles northwest of Winnie.		
Sandy soil- - - -	3	3
Sandy clay- - - -	5	8
Clay- - - - - -	17	25
Struck water at 9 feet. June 9, 1941.		
623		
Side of county road, 2¾ miles northwest of Winnie.		
Sandy clay - - -	10	10
Fine-grained sand- -	1	11
Sandy clay - - -	4	15
Fine-grained sand- -	3	18
Struck water at 11 feet. Water level, 2.1 feet below land surface, 1 month after hole completed. July 2, 1941.		
624		
Side of county road, 3 miles northwest of Winnie.		
Sandy clay - - -	4	4
Fine-grained sand- -	20	24
Struck water at 4 feet. Water level, 2.3 feet below land surface, 2 weeks after hole completed. July 2, 1941.		
625		
Side of county road, 1¼ miles northwest of Winnie.		
Sandy clay - - -	9	9
Clayey fine-grained sand - - - -	8	17
Struck water at 9 feet. Water level, 1.1 feet below land surface, 3 weeks after hole completed. July 2, 1941.		
626		
Side of county road, ½ mile west of Winnie.		
Clayey sand - - -	3	3
Medium-grained sand and gravel - - -	2	5
Fine-grained sand- -	3	8
Sandy clay - - -	11	19
Fine-grained sand- -	3	22
Struck water at 5 feet. Water level, 2.5 feet below land surface, 2 weeks after hole completed. July 2, 1941.		
627		
Side of highway, ¾ mile south of Winnie.		
Sandy clay - - -	16	16
Fine-grained sand- -	3	19
Blue clay- - - -	10	29
Struck water at 10 feet. Water level, 2.3 feet below land surface, 1 hour after hole completed. July 2, 1941.		
628		
Side of highway, 1½ miles south of Winnie.		
Sandy clay - - -	5	5
Clayey sand - - -	5	10
Fine-grained sand- -	4	14
Sandy clay - - -	21	35

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Logs of W. P. A. test holes in Chambers County--Continued

	Thickness (feet)	Depth (feet)
628--Continued		
Fine-grained sand- -	1	36
Silty fine-grained sand- - - - - -	2	38
Struck water at 6 feet. Water level, 1.8 feet below land surface, 3 weeks after hole completed. July 23, 1941.		
629		
Side of highway, 2 miles south of Winnie.		
Fine-grained sand- -	3	3
Sandy clay - - -	2	5
Fine-grained sand- -	9	14
Water level, 2.5 feet below land surface, $3\frac{1}{2}$ weeks after hole completed. July 23, 1941.		
630		
Side of highway, $2\frac{1}{2}$ miles south of Winnie.		
Clay - - - - -	12	12
Clayey fine-grained sand - - - - -	4	16
Clay - - - - -	21	37
Struck water at 7 feet. Water level, 1.5 feet below land surface, after hole completed. July 23, 1941.		
631		
Side of highway, $3\frac{3}{4}$ miles south of Winnie.		
Sandy clay- - - -	5	5
Silty fine-grained sand - - - -	12	17
Sandy clay- - - -	8	25
Jointed clay - - -	6	31
Struck water at 5 feet. Water level, 2.0 feet below land surface, 3 weeks after hole completed. July 23, 1941.		
632		
Side of county road, 3 miles north of White's Ranch.		
Clay - - - - -	9	9
Sandy clay - - -	18	27
Struck water at 11 feet. Water level, 1.0 foot below land surface, $1\frac{1}{2}$ weeks after hole completed. July 16, 1941.		
633		
Side of county road, $3\frac{1}{2}$ miles northwest of White's Ranch.		
Sandy clay - - -	16	16
Fine-grained sand- -	1	17
Sandy clay - - -	13	30
Struck water at 7 feet. Water level, 0.9 foot below land surface, 1 week after hole completed. July 23, 1941.		
634		
Side of county road, $3\frac{3}{4}$ miles northwest of White's Ranch.		
Sandy clay- - - -	8	8
Clayey fine-grained sand - - - - -	2	10
Sandy clay- - -	17	27
Struck water at 11 feet. Water level, 1.2 feet below land surface, 1 week after hole completed. July 23, 1941.		
635		
Side of county road, 4 miles northwest of White's Ranch.		
Sandy jointed clay -	20	20
Struck water at 11 feet. Water level, 3.5 feet below land surface, 1 week after hole completed. July 23, 1941.		
636		
Side of county road, 6 miles northwest of White's Ranch.		
Sandy clay - - -	5	5
Fine-grained sand- -	3	8
Fine-grained sandy clay - - - -	2	10
Fine-grained sand- -	9	19
Water level, 0.8 foot below land surface, 6 weeks after hole completed. July 23, 1941.		
637		
Side of county road, $4\frac{1}{2}$ miles northwest of White's Ranch.		
Sandy clay - - -	8	8
Jointed clay - - -	2	10
Clayey fine-grained sand - - - -	2	12

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Logs of W. P. A. test holes in Chambers County--Continued

	Thickness (feet)	Depth (feet)
637--Continued		
Sandy clay - - -	8	20
Fine-grained sand -	2	22
Sandy jointed clay -	10	32
Silty fine-grained sand - - - - -	5	37
Struck water at 9 feet. Water level, 1.2 feet below land surface, 1½ weeks after hole completed. July 23, 1941.		
638		
Side of county road, 5½ miles northwest of White's Ranch.		
Sandy clay - - -	10	10
Clayey fine-grained sand - - - - -	3	13
Fine-grained sand -	2	15
Sandy clay - - -	5	20
Jointed clay- - -	12	32
Sandy clay - - -	2	34
Struck water at 5 feet. Water level, 2.4 feet below land surface, 1½ weeks after hole completed. July 23, 1941.		
639		
Side of county road, 6¼ miles northwest of White's Ranch.		
Sandy clay - - -	9	9
Fine-grained sand -	4	13
Sandy clay - - -	15	28
Struck water at 10 feet. Water level, 2.9 feet below land surface, 2 weeks after hole completed. July 23, 1941.		
640		
Side of county road, 7 miles northwest of White's Ranch.		
Sandy clay - - -	4	4
Sandy clay and fine gravel - -	2	6
Sandy clay - - -	13	19
Struck water at 9 feet. Water level, 1.8 feet below land surface, 2 weeks after hole completed. July 23, 1941.		
641		
Side of county road, 7 miles northwest of White's Ranch.		
Sandy clay - - -	23	23
641--Continued		
Struck water at 11 feet. Water level, 1.9 feet below land surface, ¼ hour after hole completed. July 23, 1941.		
642		
Side of county road, 7 miles west of White's Ranch.		
Jointed clay- - -	7	7
Sandy clay - - -	4	11
Fine-grained sand -	7	18
Clay - - - - -	13	31
Struck water at 8 feet. Water level, 2.6 feet below land surface. July 23, 1941.		
643		
Side of county road, 8 miles west of White's Ranch.		
Sandy clay - - -	9	9
Fine-grained sand -	4	13
Sandy clay - - -	11	24
Water level, 1.6 feet below land surface, 1 month after hole completed. July 8, 1941.		
644		
Side of county road, 7 miles west of White's Ranch.		
Sandy clay - - -	14	14
Clayey fine-grained sand - - - - -	2	16
Sandy clay - - -	9	25
Water level, 1.6 feet below land surface, 1 month after hole completed. July 8, 1941.		
645		
Side of county road, 6 miles west of White's Ranch.		
Clay- - - - -	3	3
Clay and large gravel-	1	4
Clay- - - - -	26	30
Sandy red clay - -	1	31
Struck water at 15 feet. May 20, 1941.		

Logs of W. P. A. test holes in Chambers County--Continued

	Thickness (feet)	Depth (feet)
646		
Side of county road, 5 miles west of White's Ranch.		
Sandy clay- - - -	26	26
Struck water at 9 feet. Water level, 5.6 feet below land surface, ¼ hour after hole completed. June 23, 1941.		
647		
Side of county road, 4 miles west of White's Ranch.		
Sandy clay- - - -	9	9
Clayey fine-grained sand - - - - -	1	10
Sandy clay - - -	15	25
Struck water at 10 feet. Water level, 7.5 feet below land surface, ¼ hour after hole completed. June 23, 1941.		
648		
Side of county road, 3 miles west of White's Ranch.		
Clay - - - - - -	18	18
Sandy clay - - -	4	22
Struck water at 10 feet. Water level, 10.5 feet below land surface, ¼ hour after hole completed. June 23, 1941.		
649		
Side of county road, ¼ mile southwest of White's Ranch.		
Clay - - - - - -	4	4
Clayey fine gravel -	2	6
Clay - - - - - -	19	25
Struck water at 23 feet. Water level, 1.4 feet below land surface, 1 week after hole completed, July 16, 1941.		
650		
Side of county road, 1 mile south of White's Ranch.		
Clay - - - - - -	25	25
Struck water at 13 feet. July 16, 1941.		
651		
Side of county road, 8½ miles east of Eagle.		
Sandy clay	26	26
Water level, 3.1 feet below land surface, 1 month after hole completed. July 8, 1941.		
652		
Side of county road, 6¾ miles east of Eagle.		
Sandy clay- - - -	4	4
Fine-grained sand and gravel - - - - -	2	6
Fine-grained sand - -	6	12
Sandy clay- - - -	16	28
Water level, 4.4 feet below land surface, 1 month after hole completed. July 8, 1941.		
653		
Side of county road, 5¾ miles east of Eagle.		
Sandy top soil - -	2	2
Sandy clay and some fine gravel- - -	2	4
Silty fine-grained sand - - - -	7	11
Sandy clay - - -	9	20
Water level, 3.2 feet below land surface, 1 month after hole completed. July 8, 1941.		
654		
Side of county road, 5 miles east of Eagle.		
Sandy clay- - - -	19	19
Water level, 2.[illegible] feet below land surface, 2 weeks after hole completed. June 24, 1941.		
655		
Side of county road, 2¾ miles east of Eagle.		
Sandy clay- - - -	9	9
Fine-grained sand- -	14	23
Water level, 9.4 feet below land surface, 1 week after hole completed. April 11, 1941.		

Logs of W. P. A. test holes in Chambers County--Continued

	Thickness (feet)	Depth (feet)
656		
Side of county road, 2 miles east of Eagle.		
Sandy clay - - - -	40	40
April 14, 1941.		
657		
Side of county road, 2½ miles northeast of Eagle.		
Clay - - - - -	10	10
Fine-grained sand- -	6	16
Clay - - - - -	8	24
Sandy clay - - -	2	26
June 3, 1941.		
658		
Side of county road, 3 miles northeast of Eagle.		
Clay - - - - -	10	10
Sandy clay - - -	5	15
Sandy clay and fine gravel- - -	5	20
Clay - - - - -	13	33
Water level, 1.2 feet below land surface, 3 weeks after hole completed. June 3, 1941.		
659		
Side of county road, 3¼ miles northwest of Eagle.		
Sandy clay - - -	8	8
Fine-grained sand- -	3	11
Sandy clay - - -	5	16
Fine-grained sand- -	3	19
Water level, 9.5 feet below land surface, 1 week after hole completed. April 14, 1941.		
660		
Side of county road, 2½ miles northwest of Eagle.		
Sandy clay - - -	7	7
Fine-grained sand- -	6	13
Water level, 8.7 feet below land surface, 1 week after hole completed. April 14, 1941.		
661		
Side of county road, 1½ miles northwest of Eagle.		
Sandy clay - - -	23	23
Silty fine-grained sand - - - -	8	31
Water level, 2.8 feet below land surface, 1 week after hole completed. April 14, 1941.		
662		
Side of county road, ¾ mile northwest of Eagle.		
Sandy clay - - -	20	20
Silty fine-grained sand - - - -	1	21
Water level, 2.8 feet below land surface, 1 week after hole completed. April 14, 1941.		
663		
Side of county road, ¼ mile west of Eagle.		
Sandy clay - - -	9	9
Fine-grained sand- -	2	11
Sandy clay - - -	15	26
Water level, 7.9 feet below land surface, 1 week after hole completed. April 14, 1941.		
664		
Side of county road, 1 mile east of Eagle.		
Sandy clay - - -	10	10
Fine-grained sand - - - -	4	14
Water level, 2.4 feet below land surface, 1 week after hole completed. April 14, 1941.		
666		
Side of county road, 2½ miles southeast of Eagle.		
Sand - - - - -	22	22
Water level, 3.8 feet below land surface, 1 week after hole completed. April 16, 1941.		

Logs of W. P. A. test holes in Chambers County--Continued

	Thickness (feet)	Depth (feet)
667		
Side of county road, 2½ miles southeast of Eagle.		
Sand - - - - - -	30	30
Water level, 2.6 feet below land surface, 1 week after hole completed. April 14, 1941.		
668		
Side of county road, 3 miles southeast of Eagle.		
Sand - - - - - -	2	2
Sandy clay - - -	2	4
Sand - - - - - -	15	19
Water level, 2.9 feet below land surface, 1 week after hole completed. April 14, 1941.		
669		
Side of county road, 3¼ miles south of Eagle.		
Sandy clay - - -	5	5
Sand - - - - - -	5	10
Sandy clay - - -	17	27
Water level, 3.0 feet below land surface, 1 week after hole completed. April 14, 1941.		
670		
Side of county road, 4½ miles south of Eagle.		
Sand - - - - - -	2	2
Sandy red clay - -	5	7
Fine-grained sand- -	13	20
Water level, 2.9 feet below land surface, 1 week after hole completed. April 14, 1941.		
671		
Side of county road, 5 miles south of Eagle.		
Sandy clay - - -	15	15
Fine-grained sand- -	10	25
Water level, 3.8 feet below land surface, 1 week after hole completed. April 14, 1941.		
672		
Side of county road, 6 miles south of Eagle.		
Sand - - - - - -	9	9
Water level, 2.8 feet below land surface, 1 week after hole completed. April 14, 1941.		
673		
Side of county road, 6¾ miles southwest of Eagle.		
Sand - - - - - -	11	11
Water level, 2.4 feet below land surface, 1 week after hole completed. April 14, 1941.		
674		
Two and one-half miles northeast of Smith Point.		
Clay - - - - - -	3	3
Sand - - - - - -	5	8
Clay - - - - - -	19	27
Struck water at 5 feet. Water level, 5 feet below land surface, ¼ hour after hole completed. May 27, 1941.		
675		
Side of county road, 2½ miles northeast of Smith Point.		
Fine-grained sand- -	11	11
May 27, 1941.		
676		
One and three-fourth miles north of Smith Point.		
Sand - - - - - -	3	3
Clay - - - - - -	8	11
Sand - - - - - -	5	16
Clay - - - - - -	8	24
Struck water at 5 feet. Water level, 5 feet below land surface, ¼ hour after hole completed. May 27, 1941.		
677		
Side of county road, 1½ miles northeast of Smith Point.		
Fine-grained sand - -	10	10
Water level, 2.9 feet below land surface, 1 month after hole completed. May 27, 1941.		

Logs of W. P. A. test holes in Chambers County--Continued

	Thickness (feet)	Depth (feet)
678		
Three-fourth mile north of Smith Point.		
Sand - - - - -	2	2
Clay - - - - -	9	11
Sand - - - - -	13	24
Struck water at 9 feet. Water level, 4 feet below land surface, ¼ hour after hole completed. May 27, 1941.		
679		
Side of county road, ½ mile northeast of Smith Point.		
Sand - - - - -	5	5
Water level, 2.7 feet below land surface, 1 month after hole completed. May 27, 1941.		
680		
Side of county road, ½ mile southwest of Smith Point.		
Clay - - - - -	8	8
Clay and gravel - -	4	12
Water level, 1.8 feet below land surface, 1 month after hole completed. May 27, 1941.		
681		
Side of county road, 2 miles west of Smith Point.		
Sand - - - - -	5	5
Clay and few shell - -	3	8
Sand and shell - - -	3	11
Clayey sand - - -	2	13
Fine-grained sand - -	7	20
Water level, 2.7 feet below land surface, 3 weeks after hole completed. May 27, 1941.		
682		
One and one-fourth miles south of Smith Point.		
Fine-grained sand - -	11	11
May 27, 1941.		
683		
E. Whitehead, 2¼ miles southeast of Smith Point.		
Sand - - - - -	23	23
Fine-grained sand and some shell - - -	16	39
Struck water at 9 feet. Water level, 3.0 feet below land surface, 2 months after hole completed. July 3, 1941.		

Partial analyses of water from wells in Chambers County, Texas

Analyzed at The University of Texas under the direction of E. W. Lohr and W. W. Hastings, Chemists, U. S. Department of the Interior, Geological Survey, and Dr. E. F. Schoch, Director of the Bureau of Industrial Chemistry. Results are in parts per million. Well numbers correspond to numbers in table of test hole logs.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO_3)	Sulphate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Total hardness as $CaCO_3$ (calc.)
1	T. Fitzgerald	55	Mar. 10, 1941	370	43	3.6	106	378	3	23	a/	-	122
2	Max Brown	250	Apr. 2, 1941	73	11	5.1	10	55	8	12	a/	-	48
3	J. M. Davis	50	Mar. 10, 1941	440	70	8.5	96	397	11	59	a/	-	210
4	Max Brown	185	Apr. 2, 1941	453	0.4	3.9	186	415	3	56	0	-	17
5	J. R. Barber	35	Mar. 26, 1941	452	64	8.8	107	390	12	68	a/	-	195
6	Q. K. Barber	40	do.	273	74	7.5	25	293	3	19	a/	-	215
7	Jerry Ulrich	36	Mar. 7, 1941	1,274	117	21	351	427	54	520	a/	0.7	378
9	Chambers County	18	do.	650	58	7.3	198	476	3	150	a/	-	175
10	Kirby Petroleum Co.	66	Mar. 26, 1941	370	-	-	-	343	15	41	a/	-	-
11	J. O. Stockbridge	314	May 21, 1941	480	27	2.2	170	390	2	85	a/	1.7	76
12	J. R. Barber	323	do.	614	33	3.4	213	397	15	155	a/	-	97
13	Tillman Fitzgerald	510	Apr. 9, 1941	982	4.8	5.1	391	506	2	330	a/	-	33
15	Temple Fitzgerald	217	do.	572	6.8	5.1	225	451	3	110	a/	-	38
17	Crumpler Bros.	304	Mar. 31, 1941	844	12	4.1	318	360	36	260	a/	1.4	47
22	O. K. Winfree	59	Mar. 26, 1941	598	36	20	178	433	23	128	a/	-	172
b/ 23	Atlantic Refining Co.	500	do.	730	34	7.5	254	451	2	210	0	-	115
24	Asa Wilburn	156	Apr. 9, 1941	843	30	10	296	372	4	320	a/	-	116
26	Sun Oil Co.	626	Mar. 31, 1941	618	52	16	178	439	4	150	a/	2.4	195
28	L. P. and Carl Smith	271	Mar. 11, 1941	865	52	16	276	476	2	285	0	-	195
b/ 30	K. F. Fitzgerald	368	do.	432	9.6	6.1	165	415	1	45	0	1.5	49
33	R. E. Henerson	22	Mar. 27, 1941	686	120	20	118	348	27	230	a/	-	382
34	Austin Busch	35	do.	448	104	10	60	397	10	68	1.0	-	30

Partial analyses of water from wells in Chambers County---Continued
Results are in parts per million

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO_3)	Sulphate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Total hardness as $CaCO_3$ (calc.)
b/ 35	Antone Busch	365	Mar. 27, 1941	481	41	5.1	128	317	2	30	118	0.9	123
36	H. G. Kilgore	365	Mar. 4, 1941	330	6.4	1.2	132	311	1	35	a/	1.3	21
37	J. C. Donnelly	305	Mar. 27, 1941	403	6.4	3.9	158	360	2	56	a/	-	32
38	J. H. Williams	348	do.	379	6.4	3.9	148	348	2	48	a/	-	32
39	C. Airington	340	Apr. 2, 1941	779	21	14	274	415	35	230	a/	1.0	108
40	Bud Donnelly	48	Mar. 4, 1941	736	86	16	187	476	13	200	a/	0.8	280
41	F. M. Fitzgerald	336	do.	404	6.8	3.6	158	342	2	66	a/	-	32
43	G. E. Troxell	292	Mar. 6, 1941	425	8.8	3.6	166	403	2	46	1.0	-	37
44	Old River Rice Co.	290	Apr. 2, 1941	430	10	2.7	158	134	3	190	a/	0.2	37
45	J. N. Nelson	282	do.	384	0.4	2.7	159	366	2	40	a/	-	12
46	S. R. Williams	200	Mar. 6, 1941	559	17	9.5	204	427	1	116	1.0	-	71
48	Iva Lee Kilpatrick	85	Mar. 22, 1941	804	42	17	254	311	8	330	a/	-	176
49	S. R. Williams	375	Mar. 4, 1941	348	0.4	1.2	144	293	9	49	0	-	6.0
50	J. W. Frymire	70	do.	1,104	120	22	286	470	3	440	1.7	-	389
51	C. Vickers	346	do.	364	8.8	3.6	138	317	14	44	a/	-	37
52	Dick Haden	22	do.	1,247	125	19	332	421	74	490	a/	-	392
b/ 56	Joe Syer	90	do.	1,189	136	23	299	476	15	480	2.0	0.4	434
57	J. W. Wilburn	410	do.	1,192	22	6.1	432	421	183	340	a/	1.4	79
58	A. M. Wilburn	18	Mar. 13, 1941	1,161	70	18	345	281	20	480	90	-	251
59	E. R. Kilgore	212	Apr. 4, 1941	786	37	15	260	482	27	210	a/	-	154
b/ 63	B. D. Fisher	97	Mar. 4, 1941	926	114	22	218	464	1	330	1.6	0.5	374
64	Wilburn Bros.	97	Mar. 6, 1941	901	83	21	249	500	2	300	a/	-	293
65	M. Fisher	90	Mar. 22, 1941	853	72	16	249	488	3	270	3.0	-	245
66	Kilgore Estate	100	Mar. 4, 1941	955	93	19	262	488	1	340	0	-	312
67	Asa Wilburn	94	Mar. 6, 1941	1,070	101	21	295	470	2	420	a/	-	338
68	do.	550	Mar. 4, 1941	995	22	7.3	374	506	2	340	0.3	-	85

a/ Less than 20 parts per million.
b/ Analyses of water from selected wells are given in milligram equivalents on page 99.
c/ Less than 5 parts per million.
d/ Analyzed by Humble Oil and Refining Company.
e/ Less than 2 parts per million.

Partial analyses of water from wells in Chambers County--Continued
Results are in parts per million

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO_3)	Sulphate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Total hardness as $CaCO_3$ (calc.)
69	Chas. Kilgore	90	Apr. 9, 1941	1,129	116	33	283	476	3	460	a/	-	426
70	Mrs. L. L. Jerrell	429	Mar. 13, 1941	925	17	6.3	352	451	2	325	a/	1.3	69
71	Whitie Algram	82	do.	1,629	188	52	370	415	2	810	2.5	-	682
72	Atlantic Pipe Line Company	638	do.	1,193	16	7.3	458	476	2	475	a/	1.2	70
73	W. H. Fisher	93	do.	2,146	228	66	510	458	2	1,115	a/	-	841
74	Chas. Kilgore	11	Mar. 28, 1941	1,029	80	28	287	397	3	435	1.0	-	318
75	do.	550	Mar. 13, 1941	936	12	3.9	365	464	2	325	a/	-	47
77	Houston Y.M.C.A.	630	do.	1,011	8.8	5.1	397	470	3	365	a/	1.2	43
78	Dr. -- Ledbetter	630	Mar. 20, 1941	954	15	5.1	367	458	2	340	a/	-	58
79	Camp Allen	600	Apr. 2, 1941	872	9.2	6.3	342	531	2	250	a/	1.4	49
80	Paul B. Miller	100	Mar. 13, 1941	1,280	178	44	256	445	8	575	0	-	627
b/ 81	R. A. Wolf	600	Mar. 20, 1941	1,113	20	8.8	412	537	101	305	1.0	1.6	85
82	H. Harper	40	do.	1,323	161	22	233	134	66	325	450	-	494
83	John Beazley	100	do.	1,071	104	26	284	438	3	410	3.5	-	366
84	F. A. Farda Fst.	755	Mar. 21, 1941	1,240	20	7.5	461	555	128	350	a/	-	80
85	J. B. Wilburn Est.	96	Apr. 9, 1941	790	-	-	-	445	2	270	a/	-	-
87	Optimist Boys Club	453	Mar. 21, 1941	1,151	6.4	3.9	457	549	23	390	a/	0.8	32
89	John Beazley	167	do.	1,172	127	41	276	506	5	470	3.5	-	485
90	Mrs. R. J. Thompkins	175	Mar. 6, 1941	1,052	36	8.5	370	421	58	370	2.0	-	125
b/ 91	Theo. Wilburn	190	Mar. 22, 1941	1,054	46	11	358	451	41	370	5.0	0.6	162
92	A. M. Wilburn	100	do.	952	157	15	195	427	5	370	a/	-	454
93	J. C. Fowler	105	do.	871	87	23	221	305	2	380	8.0	-	314
94	G. C. Connor	15	Mar. 21, 1941	744	119	15	153	451	25	210	a/	-	-
95	Temple Fitzgerald	190	do.	373	-	-	-	250	8	100	a/	-	-
96	Q. K. Barber	190	do.	233	12	2.7	78	140	13	58	a/	-	42

Partial analyses of water from wells in Chambers County---Continued

Results are in parts per million

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO_3)	Sulphate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Total hardness as $CaCO_3$ (calc.)
97	Pat Higgins	-	Mar. 21, 1941	661	18	8.8	242	433	7	172	a/	-	80
98	Max Brown	110	Apr. 8, 1941	721	40	3.9	251	494	3	180	a/	-	117
99	S. Fisher	30	Mar. 6, 1941	551	112	8.5	88	299	35	160	a/	-	315
100	W. F. Lawrence	192	do.	656	21	3.6	245	451	4	160	a/	-	67
101	Unknown	41	Mar. 27, 1941	748	93	23	169	366	10	273	a/	-	329
102	Collier and Troxell	180	Apr. 9, 1941	-	-	-	-	-	8	500	a/	-	-
103	Fbb Fisher	198	Mar. 21, 1941	689	12	8.8	261	476	3	170	a/	-	65
104	Irvin Bishop	192	Mar. 6, 1941	645	24	6.1	236	494	1	135	a/	-	84
105	O. D. Barrow	180	do.	739	22	7.3	274	537	2	170	a/	-	85
106	Dr. -- Shear	240	do.	582	11	3.6	227	445	2	120	a/	-	42
107	E. E. Barrow	340	Mar. 28, 1941	521	2.0	1.5	213	360	2	124	a/	1.1	11
109	Irvin Bishop	634	Mar. 6, 1941	904	6.8	3.6	366	665	1	200	a/	-	32
110	E. E. Barrow	140	do.	727	43	12	238	512	1	180	1.0	-	158
112	Amos Lawrence Est.	399	Apr. 16, 1941	944	48	7.1	326	512	2	308	a/	0.6	149
116	V. A. Lawrence	429	Mar. 28, 1941	1,937	66	10	645	317	400	660	a/	-	206
119	Salt Dome Oil Corp.	475	Mar. 21, 1941	598	39	5.1	195	372	31	145	a/	-	118
120	V. A. Lawrence	556	Mar. 6, 1941	794	4.8	2.4	324	567	2	180	a/	2.0	22
121	Mrs. Phillip Howard	18	Mar. 21, 1941	909	238	18	65	244	35	375	58	-	671
123	Texas Progress Co.	175	Apr. 9, 1941	795	29	12	278	451	4	250	a/	-	123
124	Ben Dutton	143	Mar. 5, 1941	884	40	9.7	304	439	4	310	0	-	141
125	do.	183	Mar. 28, 1941	866	59	12	273	445	3	300	a/	-	198
126	Kirby Petroleum Co.	26	do.	639	112	10	127	397	5	190	a/	-	321
b/127	K. D. Carmody	150	Mar. 25, 1941	1,035	85	19	300	451	8	400	0.8	0.4	292

a/ Less than 20 parts per million.

b/ Analyses of water from selected wells are given in milligram equivalents per liter on page 90.

c/ Less than 5 parts per million.

d/ Analyzed by Humble Oil and Refining Company.

e/ Less than 2 parts per million.

Partial analyses of water from wells in Chambers County--Continued

Results are in parts per million

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO_3)	Sulphate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Total hardness as $CaCO_3$ (calc.)
129	C. O. Williams	488	Mar. 5, 1941	913	65	11	287	445	1	330	a/	-	207
130	C. D. Harman	125	do.	942	76	16	278	427	2	360	a/	-	255
133	Luther J. Oman	120	do.	961	58	16	305	427	2	370	a/	-	210
134	J. B. Wilburn Est	29	Mar. 25, 1941	433	42	8.8	125	427	8	35	4.0	-	140
136	C. J. Wilburn	37	do.	235	59	12	14	183	18	42	a/	-	198
137	R. F. McKay	100	do.	1,008	72	16	310	464	2	380	a/	-	245
138	W. B. McKay	126	do.	944	84	17	270	488	2	330	0.5	-	281
139	C. T. Joseph Est.	512	Apr. 9, 1941	866	4.4	3.9	350	580	3	220	a/	-	27
140	Hugh Welch	501	do.	914	4.4	3.9	369	555	2	260	a/	2.1	27
142	W. M. Joseph	125	Mar. 5, 1941	860	87	21	222	366	20	330	a/	-	303
150	Pure Oil Co.	500	do.	959	4.8	3.6	385	537	2	300	a/	-	27
151	Will Icet	492	Apr. 9, 1941	982	19	5.1	377	543	2	310	a/	1.7	68
152	H. C. Icet	370	Mar. 5, 1941	561	13	2.4	218	409	2	124	a/	1.2	42
154	Chambers County	32	do.	591	102	9.7	120	433	11	134	a/	0.9	296
155	Bill Dillard	68	do.	1,178	140	22	285	476	86	410	a/	0.6	439
156	D. T. Dugat	120	do.	691	50	8.5	219	439	12	185	a/	0.8	160
157	Frank Steadham	60	Mar. 14, 1941	342	81	14	36	378	5	20	a/	-	264
158	Jim Green	25	do.	658	116	10	125	323	33	215	a/	0.4	331
b/159	O. E. Barber	21	do.	663	173	6.3	69	384	8	180	38	-	459
160	H. B. Bice	125	do.	554	-	-	-	262	2	215	a/	-	-
161	R. C. Lawrence	47	do.	-	-	-	-	-	29	122	54	-	-
162	J. D. Franzen Est.	100	do.	543	66	11	140	445	2	105	a/	-	211
163	J. B. Green	39	do.	817	70	11	243	543	29	192	5.0	-	222
165	Mrs. J. C. McManus	25	July 1, 1941	791	145	14	138	226	20	362	1.2	-	418
166	U. S. Govt.	96	Apr. 1, 1941	330	104	10	213	445	2	282	a/	0.3	301
167	Elder Sherman	131	June 16, 1941	890	171	16	150	439	35	302	a/	-	495
169	W. W. Collins	28	Apr. 24, 1941	234	23	19	20	61	17	22	103	-	137
170	Chambers County	30	Apr. 25, 1941	75	c/	7.1	20	61	8	10	a/	0	29

Partial analyses of water from wells in Chambers County--Continued
Results are in parts per million

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO_3)	Sulphate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Total hardness as $CaCO_3$ (calc.)
171	Chambers County	30	Apr. 24, 1941	377	63	3.4	83	287	15	72	a/	0	172
178	Mrs. W. A. Beckwith	128	do.	1,847	100	20	596	390	39	900	a/	-	333
179	Josh Mayes	515	do.	2,431	40	18	898	390	2	1,280	a/	0.8	176
180	U. S. Govt.	118	July 1, 1941	927	24	11	322	49	6	540	a/	0.2	107
181	B. Barnes	155	Apr. 25, 1941	1,229	71	9.5	406	427	2	530	0	-	216
182	Stanolind Oil and Gas Co.	227	Apr. 24, 1941	126	34	7.3	5.7	128	2	14	a/	0.3	115
183	do.	140	do.	432	66	3.4	102	275	4	119	3.0	0	178
188	H. W. Wilcox	90	July 15, 1941	1,074	36	3.9	389	348	4	470	a/	-	107
b/191	E. W. Brown	115	Apr. 24, 1941	1,367	100	17	413	458	47	560	5.0	0	320
192	-- Helgemier	102	do.	1,695	129	1.0	535	397	35	800	0	-	326
196	U. S. Govt.	101	May 15, 1941	820	59	9.5	245	55	4	475	a/	-	186
198	Dittman's Tourist Camp	350	May 2, 1941	2,540	70	22	902	354	1	1,370	a/	0.6	263
200	Ezra Sherman	100	Apr. 22, 1941	805	-	-	-	543	31	202	a/	-	-
201	Bell Tourist Camp	38	Apr. 25, 1941	1,018	160	20	192	238	109	420	a/	0	483
203	City Cemetery	100	Apr. 22, 1941	754	126	7.1	161	397	10	255	a/	0	344
204	J. C. Storms	103	do.	498	37	11	150	360	13	110	a/	-	137
206	Wilcox Est.	840	Apr. 11, 1941	2,601	32	11	991	567	2	1,285	a/	0.9	127
209	G. Chambliss	95	July 24, 1941	548	64	17	134	445	8	106	a/	-	231
213	J. O. Nelson	110	May 6, 1941	532	-	-	-	445	25	84	a/	-	-
214	O. White	345	May 2, 1941	2,047	45	12	757	561	2	955	a/	-	162
215	U. S. Govt.	357	do.	1,957	26	13	730	256	2	1,060	a/	0.2	118
216	W. Stockwell	347	do.	2,201	42	21	808	586	2	1,040	a/	-	193
b/217	Bob Bosque	20	June 25, 1941	1,723	227	42	343	543	403	440	0	0.8	741
218	G. W. Scott	110	May 6, 1941	607	37	9.5	200	488	14	106	a/	0.4	131
219	H. Faring	105	May 8, 1941	1,574	-	-	-	488	117	645	a/	-	-

a/ Less than 20 parts per million.
b/ Analyses of water from selected wells are given in milligram equivalents per liter on page 90.
c/ Less than 5 parts per million.
d/ Analyzed by Humble Oil and Refining Company.
e/ Less than 2 parts per million.

Partial analyses of water from wells in Chambers County--Continued

Results are in parts per million

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO_3)	Sulphate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Total hardness as $CaCO_3$ (calc.)
b/220	A. D. Middleton	526	July 2, 1941	2,097	27	11	797	543	3	990	2.0	-	112
221	Unknown	25	Apr. 11, 1941	850	211	22	73	287	13	355	35	-	619
223	Teresa Beverley	11	June 3, 1941	238	22	4.6	67	159	10	56	a/	-	73
224	M. K. Smith	14	Apr. 11, 1941	531	107	14	73	348	39	94	30	-	323
225	U. S. Govt.	119	May 6, 1941	625	68	14	164	433	6	160	a/	-	229
226	E. W. Sykes	138	May 8, 1941	1,699	53	26	589	537	2	765	a/	-	241
227	Unknown	30	June 3, 1941	779	152	23	117	403	27	262	a/	-	474
231	Layne & Bowler	1,050	Apr. 11, 1941	1,508	37	6.3	561	543	17	620	a/	0.4	119
232	Humble Pipe Line Co.	40	June 4, 1941	136	17	3.4	41	85	31	32	a/	-	57
234	A. D. Middleton	340	May 2, 1941	2,458	21	19	922	214	1	1,390	a/	-	132
235	Humble Oil and Refining Co.	15	June 4, 1941	584	88	27	100	439	73	80	a/	-	332
236	U. S. Govt.	445	May 2, 1941	105	18	5.8	15	79	2	25	a/	0.3	69
238	Humble Oil and Refining Co.	63	Apr. 15, 1941	233	44	1.5	47	201	3	32	6.0	-	116
240	Taylor White Est.	84	June 4, 1941	1,554	55	2.2	546	31	31	905	a/	0.3	146
242	do.	220	do.	374	35	3.4	114	372	27	12	a/	-	102
243	Humble Oil and Refining Co.	147	Apr. 15, 1941	1,453	50	20	494	354	45	670	a/	-	207
245	Taylor White Est.	240	June 5, 1935	1,590	54	32	582	427	0	840	-	-	267
245	do.	240	May 15, 1941	1,752	70	19	599	427	2	852	a/	-	252
247	S. Roy White	82	do.	185	34	5.8	31	146	8	34	a/	-	109
249	Dr. -- Morgan	23	Apr. 22, 1941	125	13	2.2	31	73	35	8.0	a/	-	41
250	I. A. Hankamer	94	July 1, 1941	858	66	5.4	253	311	146	235	a/	-	188
b/251	Chambers County	165	June 6, 1941	856	37	12	290	354	2	340	1.0	0.2	141
252	do.	28	do.	320	46	16	48	122	7	102	41	-	180
253	Geo. Abshier	185	do.	831	51	9.5	269	354	2	325	0	-	165
254	J. F. Abshier	183	Apr. 11, 1941	779	86	17	198	366	8	290	a/	0.1	286
256	Jett Hankamer	68	June 6, 1941	657	104	20	126	378	8	210	3 0	-	343

Partial analyses of water from wells in Chambers County--Continued

Results are in parts per million

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO_3)	Sulphate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Total hardness as $CaCO_3$ (calc.)
257	Irene Lewis	28	Apr. 30, 1941	365	81	9.5	52	354	8	40	a/	-	271
258	Gulf Oil Corp.	198	Apr. 15, 1941	598	30	8.8	196	256	27	210	a/	0.4	110
259	U. S. Govt.	100	Apr. 30, 1941	451	92	7.1	80	397	2	75	a/	-	259
260	Ben Weaver	340	do.	132	13	0.7	40	110	2	22	a/	-	35
b/261	C. A. Fowler	34	do.	215	27	9.5	34	55	1	68	48	-	106
262	E. L. Moor	82	Apr. 15, 1941	218	-	-	-	207	12	20	a/	-	-
263	U. S. Govt.	34	Apr. 30, 1941	71	8.8	2.2	17	61	2	11	a/	-	31
264	A. G. Blanke	16	do.	376	96	7.1	45	366	4	44	a/	-	269
265	U. S. Govt.	146	do.	1,020	12	7.1	359	31	187	440	a/	0.2	59
266	Pat Boyt	324	May 1, 1941	938	26	8.3	341	384	2	370	2.0	-	100
267	U. S. Govt.	154	July 1, 1941	1,396	32	7.5	501	61	35	790	a/	0.2	110
271	B. F. Quinn	16	June 5, 1941	179	24	4.6	42	134	2	40	a/	-	78
272	Earl Cooper	325	May 13, 1941	976	50	14	322	580	70	235	a/	-	184
273	Brown Est.	176	May 22, 1941	665	12	7.1	246	256	8	266	a/	-	59
274	U. S. Govt.	283	do.	2,757	8.0	5.8	1,072	140	2	1,600	a/	-	44
275	do.	184	do.	1,606	56	16	569	641	2	648	a/	-	205
b/278	D. A. Bennett	165	July 23, 1941	1,661	60	18	581	610	2	700	0	0.1	226
279	U. S. Govt.	42	May 23, 1941	136	14	5.8	30	85	21	23	a/	-	59
280	Chambers County	39	June 5, 1941	94	-	-	-	43	27	13	0	-	-
282	Unknown	86	May 23, 1941	1,066	125	35	219	494	268	175	a/	-	456
283	do.	340	May 14, 1941	1,522	56	13	535	500	2	670	a/	-	193
284	H. P. Draught and Co.	23	do.	657	83	19	157	567	12	107	a/	-	287
285	U. S. Govt.	37	May 13, 1941	285	54	13	38	226	31	38	a/	-	188
286	Garth Bros.	50	do.	813	-	-	-	427	183	130	a/	-	-
287	-- Starrett	240	June 5, 1941	952	39	10	332	537	27	280	a/	-	141
288	U. S. Govt.	257	do.	82	4.8	2.2	25	55	4	19	a/	-	21
290	O. C. Derillier, Jr.	135	May 16, 1941	858	89	19	207	451	194	127	a/	0.2	302

a/ Less than 20 parts per million.

b/ Analyses of water from selected wells are given in milligram equivalents per liter on page 90.

c/ Less than 5 parts per million.

d/ Analyzed by Humble Oil and Refining Company.

e/ Less than 2 parts per million.

Partial analyses of water from wells in Chambers County--Continued

Results are in parts per million

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO_3)	Sulphate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Total hardness as $CaCO_3$ (calc.)
291	S. F. McBride	176	Apr. 30, 1941	790	--	-	-	244	74	310	a/	-	-
293	U. S. Govt.	122	May 1, 1941	1,178	109	25	276	329	408	193	a/	0.4	376
294	F. W. Plummer	527	May 16, 1941	1,427	7.6	4.6	554	220	2	750	a/	0.9	38
295	G. C. Bond	46	do.	423	75	11	81	397	8	53	a/	-	232
297	Len Evans	44	June 9, 1941	135	10	e/	46	122	2	17	a/	0.1	26
298	C. A. Moore Est.	14	May 16, 1941	421	98	17	48	451	2	34	a/	-	315
299	U. S. Govt.	142	May 1, 1941	857	16	20	282	177	124	328	a/	-	123
300	do.	156	June 9, 1941	532	-	-	-	390	2	134	a/	-	-
301	Len Evans	20	May 1, 1941	104	2.8	1.0	38	85	2	16	a/	-	11
302	U. S. Govt.	164	do.	837	5.2	3.4	352	348	15	350	a/	-	27
303	E. C. Derillier	12	do.	322	-	-	-	305	12	35	a/	-	-
304	F. Dugat	150	May 1, 1941	845	34	13	292	476	2	270	a/	-	138
305	do.	150	do.	322	28	13	87	311	1	40	a/	-	124
306	U. S. Govt.	144	June 9, 1941	224	42	8.3	37	226	2	24	a/	-	140
b/307	H. M. Franzen	162	do.	658	24	4.6	243	500	2	136	2.0	0.1	78
309	D. W. Syphrett	140	do.	782	13	11	295	525	2	203	a/	-	77
312	W. P. Kunefke	140	do.	575	-	-	-	427	2	142	a/	-	-
313	P. Broussard	144	do.	683	31	3.4	248	525	2	141	0	-	92
314	H. M. Franzen	165	May 1, 1941	672	9.2	10	256	512	3	142	a/	-	66
316	U. S. Govt.	46	do.	68	6.4	6.8	10	31	3	27	a/	-	44
318	Chambers County	185	May 14, 1941	870	39	12	303	659	18	174	a/	0.4	147
319	Eddie Rudd	227	June 10, 1941	1,076	18	8.3	411	567	2	358	a/	-	78
320	Mrs. R. M. White	184	May 14, 1941	1,250	45	11	451	714	2	390	a/	-	157
321	J. C. White	158	do.	993	26	13	365	653	2	266	a/	-	118
323	J. T. White	170	do.	916	29	11	333	677	31	179	a/	-	117
324	U. S. Govt.	150	do.	775	16	5.8	296	555	17	167	a/	-	64
326	-- Gelans	153	do.	1,079	31	12	398	744	2	270	a/	-	127
327	J. B. Myers	197	July 2, 1941	1,487	52	17	523	616	2	590	a/	-	201
328	U. S. Govt.	184	May 14, 1941	1,277	38	13	466	708	2	410	a/	-	148
329	Courtney Marshall	21	do.	554	134	14	63	415	12	127	a/	-	394

Partial analyses of water from wells in Chambers County--Continued

Results are in parts per million

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO_3)	Sulphate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Total hardness as $CaCO_3$ (calc.)
331	Hebert Trust Co.	91	May 23, 1941	1,991	157	58	529	445	93	935	a/	0	631
332	O. H. Acom	221	do.	1,526	61	18	529	653	2	595	a/	0.2	226
333	do.	197	do.	1,439	48	14	513	604	2	565	a/	-	179
334	do.	12	do.	392	79	9.5	52	214	89	57	a/	-	236
335	do.	26	do.	328	74	13	40	336	3	33	a/	-	238
336	Chambers County	16	do.	786	83	26	190	451	21	239	a/	-	316
338	Broussard and Hebert	14	May 22. 1941	346	-	-	-	305	8	54	a/	-	-
339	do.	211	do.	2,602	52	36	933	604	2	1,282	a/	-	277
340	F. Jackson	176	do.	1,772	2.0	5.6	691	140	2	1,002	a/	-	28
341	do.	230	July 8, 1941	2,820	68	2.7	1,049	525	2	1,440	0	-	182
342	do.	224	do.	2,414	12	27	923	366	2	1,270	0	-	87
b/343	R. Barrow	208	May 20, 1941	1,931	48	17	702	616	4	852	5.4	-	190
346	do.	234	June 23, 1941	3,862	57	24	1,438	506	4	2,090	0	-	240
b/348	do.	540	July 8, 1941	3,900	46	54	1,418	476	2	2,145	0	0.7	338
349	F. Jackson	240	do.	3,221	12	35	1,223	628	2	1,640	0	-	171
351	R. Barrow	16	May 20, 1941	497	90	13	92	415	3	95	a/	-	278
353	Taylor White Est.	28	do.	496	-	-	-	397	8	102	a/	-	-
354	do.	-	June 23, 1941	2,291	29	25	854	653	2	1,060	a/	-	175
355	A. D. Middleton	-	do.	3,173	68	39	1,137	604	2	1,630	a/	-	329
356	Taylor White Est.	176	Aug. 24, 1941	2,416	54	22	882	683	2	1,120	a/	-	224
357	U. S. Govt.	190	May 20, 1941	1,889	48	14	690	610	2	835	a/	-	179
359	Taylor White Est.	85	May 29, 1941	3,304	221	65	976	586	27	1,725	2.0	-	820
360	do.	156	do.	1,838	11	11	717	653	3	775	a/	-	72
361	do.	220	May 20, 1941	4,939	125	58	1,735	506	2	2,770	a/	-	551
362	do.	220	do.	6,566	-	-	-	470	2	3,950	a/	-	-
365	R. Barrow	200	July 8, 1941	5,350	71	72	1,936	567	2	2,990	a/	-	475
371	E. A. Wilburn	280	July 3, 1941	2,778	66	43	975	573	2	1,410	0	-	342

a/ Less than 20 parts per million.

b/ Analyses of water from selected wells are given in milligram equivalents per liter on page 90.

c/ Less than 5 parts per million.

d/ Analyzed by Humble Oil and Refining Company.

e/ Less than 2 parts per million.

Partial analyses of water from wells in Chambers County--Continued
Results are in parts per million

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO_3)	Sulphate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Total hardness as $CaCO_3$ (calc.)
372	E. A. Wilburn	262	July 3, 1941	2,764	80	42	959	653	2	1,360	a/	-	371
376	Guy Jackson	240	Aug. 23, 1941	3,892	80	24	1,420	378	2	2,180	a/	-	300
377	do.	245	Aug. 22, 1941	2,608	62	27	939	647	2	1,260	a/	-	267
b/378	do.	720	Aug. 23, 1941	3,540	52	22	1,316	360	2	1,970	0	0.8	219
379	do.	250	July 7, 1941	2,883	61	38	1,029	555	2	1,480	a/	0.1	308
380	-- Stevenson	-	Aug. 23, 1941	2,516	-	-	-	586	2	1,300	a/	-	-
382	do.	-	do.	2,565	66	36	901	549	2	1,290	a/	-	312
383	Guy Jackson	250	Aug. 22, 1941	2,666	-	-	-	482	2	1,450	0	-	-
b/388	F. Jackson	455	Aug. 21, 1941	2,879	50	16	1,067	506	46	1,450	0	0.6	190
389	Unknown	17	May 22, 1941	1,473	254	46	193	329	494	324	0	-	823
b/390	J. E. Broussard	24	do.	3,322	386	108	557	268	1,679	460	0	0	1,406
391	Guy Jackson	420	July 7, 1941	2,420	31	12	920	580	2	1,170	a/	-	128
392	F. Jackson	18	May 12, 1941	366	-	-	-	378	2	30	a/	-	-
393	do.	460	do.	2,205	c/	13	865	506	3	1,075	a/	-	54
394	do.	17	do.	394	70	8.3	79	397	6	36	a/	-	210
396	Temple Fitzgerald	300+	Aug. 22, 1941	1,995	-	-	-	512	2	1,005	a/	-	-
397	Bud Moss	87	June 24, 1941	1,571	86	30	495	555	27	660	0	-	338
399	U. S. Govt.	160	July 7, 1941	1,198	6.8	12	455	299	2	575	a/	-	68
b/400	Guy Jackson	13	June 24, 1941	571	42	10	168	189	15	240	2.5	0.3	146
401	Unknown	260	May 12, 1941	2,201	42	22	813	738	1	960	a/	-	193
405	J. C. Jackson	21	May 7, 1941	142	24	8.3	21	128	3	23	a/	-	95
406	Martha Johnson	30	do.	117	19	2.2	23	85	23	8.0	a/	-	56
407	F. Jackson	660	May 6, 1941	1,787	23	3.4	672	537	194	630	a/	0.8	72
408	Arthur Jackson	640	do.	613	77	12	144	238	31	232	a/	0.2	242
409	Mays White	20	May 7, 1941	537	-	-	-	378	31	117	a/	-	-
410	U. S. Govt.	114	June 3, 1941	1,718	69	34	561	573	77	695	a/	-	311
411	P. E. Jackson	14	June 25, 1941	777	111	15	173	384	18	268	3.0	-	339
b/412	W. J. Stines	22	do.	446	84	19	59	317	46	67	14	0.8	287
413	Mrs. A. L. Scherer	22	May 6, 1941	630	-	-	-	317	27	212	a/	-	-
414	U. S. Govt.	100	do.	314	48	4.6	74	275	1	51	a/	-	138

Partial analyses of water from wells in Chambers County--Continued
Results are in parts per million

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO_3)	Sulphate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Total hardness as $CaCO_3$ (calc.)
415	Mrs. A. T. Eddigston	115	May 6, 1941	448	67	9.5	96	317	35	34	a/	-	206
416	Kocijan Bros.	25	June 25, 1941	536	63	7.8	121	67	115	196	0.5	-	190
417	Unknown	110	May 6, 1941	243	21	11	58	189	31	25	a/	-	97
418	J. W. Kocijan	18	do.	2,161	176	55	553	85	218	1,115	2.0	-	669
419	U. S. Govt.	33	do.	1,173	134	20	285	372	121	430	a/	0	418
420	C. O. Crone	115	do.	1,726	110	45	467	390	362	550	a/	-	457
b/421	H. Haynes	480	do.	1,660	20	8.3	632	409	2	795	2.0	-	85
423	R. Barrow	12	June 27, 1941	835	89	22	187	372	227	126	a/	0.7	314
424	Fred Kruger	18	May 7, 1941	320	35	18	62	122	27	118	a/	-	161
b/425	R. Barrow	210	Aug. 21, 1941	2,854	172	110	775	549	96	1,430	0	1.0	883
b/426	do.	572	do.	2,321	37	14	871	543	2	1,130	0	0.1	148
430	E. A. Wilburn	325	July 7, 1941	1,905	20	20	721	695	2	800	a/	0.2	132
432	Asa Standley	19	May 6, 1941	304	22	3.2	92	104	27	109	a/	-	67
433	E. A. Wilburn	408	May 7, 1941	1,865	18	5.8	728	653	2	790	a/	0.6	69
434	C. Wilburn	20	do.	524	-	-	-	98	82	210	a/	-	-
440	G. R. Canada	844	do.	2,365	20	13	881	476	241	975	a/	0.7	103
442	do.	565	June 27, 1941	2,059	26	24	761	470	2	1,015	a/	0.4	165
443	E. A. Wilburn	514	Aug. 22, 1941	2,013	47	14	736	476	2	980	0	-	173
444	do.	330	do.	1,541	-	-	-	580	2	680	a/	-	-
445	Henry Gau	216	July 15, 1941	1,755	18	10	679	683	2	710	a/	-	86
446	L. J. Harding	30	May 7, 1941	734	61	18	203	305	27	275	a/	-	226
449	G. R. Canada	220	Aug. 21, 1941	2,694	45	6.3	1,016	427	2	1,415	a/	-	139
b/451	do.	650±	July 3, 1941	2,960	44	16	1,067	421	4	1,520	2.0	0.2	175
452	Henry Gau	685	--	2,524	56	18	920	464	2	1,300	a/	-	216
453	G. R. Canada	210	Aug. 22, 1941	1,631	61	15	577	714	2	625	a/	-	214
454	W. J. Hawkins	25	May 7, 1941	1,390	16	7.1	521	134	20	760	a/	-	69
455	U. S. Govt.	527	do.	1,823	7.6	4.6	720	519	1	835	a/	0.3	38
457	G. R. Canada	251	July 3, 1941	2,640	71	15	961	653	2	1,270	c/	-	239
b/458	do.	265	--	2,521	36	33	926	689	2	1,185	0	0.2	226

a/ Less than 20 parts per million.
b/ Analyses of water from selected wells are given in milligram equivalents per liter on page 90.
c/ Less than 5 parts per million.
d/ Analyzed by Humble Oil and Refining Company.
e/ Less than 2 parts per million.

Partial analyses of water from wells in Chambers County--Continued
Results are in parts per million

Well No.	Owner	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO_3)	Sulphate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Total hardness as $CaCO_3$ (calc.)
459	U. S. Govt.	230	July 3, 1941	2,407	43	35	869	647	2	1,140	0	-	251
460	W. L. Moody	292	do.	2,022	-	-	-	622	2	965	0	-	-
461	Unknown	300±	do.	1,583	26	8.8	602	598	2	650	a/	-	100
462	E. Whitehead	18	May 27, 1941	240	31	3.4	55	43	20	110	a/	-	92
463	Frankland Est.	18	do.	175	6	5.8	52	18	20	81	1.5	-	39
464	A. W. Robbins	108	do.	1,338	110	29	375	378	2	635	1.0	-	393
466	U. S. Govt.	127	do.	1,247	44	16	436	506	2	500	a/	-	175
467	Hartfield's Camp	120	do.	1,346	70	17	444	494	2	570	a/	0.1	245
468	Dr. F. R. Hicks	26	do.	187	43	3.4	25	140	12	35	a/	-	122
469	E. Whitehead	268	July 3, 1941	1,893	39	15	700	604	2	840	a/	-	159

a/ Less than 20 parts per million.
b/ Analyses of water from selected wells are given in milligram equivalents per liter on page 90.
c/ Less than 5 parts per million.
d/ Analyzed by Humble Oil and Refining Company.
e/ Less than 2 parts per million.

Chemical Analyses--Continued

Results are in milligram equivalents per liter.

Well No.	Owner	Depth of well (ft.)	Date of collection	Total hardness as $CaCO_3$ (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO_3)	Sulphate (SO_4)	Chloride (Cl)	Fluoride (F)	Nitrate (NO_3)	Total dissolved solids (calc.)
23	Atlantic Refining Co.	500	Mar. 26, 1941	2.30	1.68	0.62	11.06	7.40	0.04	5.92	0.00	-	26.72
30	K. M. Fitzgerald	368	Mar. 11, 1941	0.98	0.48	0.50	7.19	6.80	0.02	1.27	0.08	0.00	16.34
35	Antone Busch	365	Mar. 27, 1941	2.46	2.04	0.42	5.58	5.20	0.04	0.85	0.05	1.90	16.08
56	Joe Syer	90	Mar. 4, 1941	8.68	6.78	1.90	13.00	7.80	0.31	13.54	0.02	0.03	43.38
63	B. D. Fisher	97	do.	7.48	5.68	1.80	9.51	7.60	0.02	9.31	0.03	0.03	33.98
81	R. A. Wolf	600	Mar. 20, 1941	1.70	0.98	0.72	17.91	8.80	2.11	8.60	0.08	0.02	39.22
91	Theo. Wilburn	190	Mar. 22, 1941	3.24	2.32	0.92	15.57	7.40	0.86	10.44	0.03	0.08	37.62
127	K. D. Carmody	150	Mar. 25, 1941	5.84	4.24	1.60	13 04	7.40	0.17	11.28	0.02	0.01	37.76
159	O. F. Barber	21	Mar. 14, 1941	9.18	8.66	0.52	2.98	6.30	0.17	5.08	-	0.61	24.32
191	F. W. Brown	115	Apr. 24, 1941	6.40	5.02	1.38	17.94	7.50	0.97	15.79	0.00	0.08	48.68
217	Bob Bosque	20	June 25, 1941	14.82	11.34	3.48	14.93	8.90	8.40	12.41	0.04	0.00	59.50
220	A. D. Middleton	526	July 2, 1941	2.24	1.34	0.90	34.67	8.90	0.06	27.92	-	0.03	73.82
251	Chambers County	165	June 6, 1941	2.82	1.86	0.96	12.63	5.80	0.04	9.59	0.01	0.02	30.91
261	C. A. Fowler	34	Apr. 30, 1941	2.12	1.34	0.78	1.49	0.90	0.02	1.92	-	0.77	7.22
278	D. A. Bennett	165	July 23, 1941	4.52	3.00	1.52	25.26	10.00	0.04	19.74	0.01	0.00	59.57
307	H. M. Franzen	162	June 9, 1941	1.56	1.18	0.38	10.55	8.20	0.04	3.84	0.01	0.03	24.23
343	R. Barrow	208	May 20, 1941	3.80	2 42	1.38	30.50	10.10	0.08	24.03	-	0.09	68.60
348	do.	540	July 8, 1941	6.76	2.32	4.44	61.62	7.80	0.04	60.50	0.04	-	136.76
378	Guy Jackson	720	Aug. 23, 1941	4.38	2.58	1.80	57.20	5.90	0.04	55.60	0.04	-	123.16
388	F. Jackson	455	Aug. 21, 1941	3.80	2.50	1.30	46.39	8.30	0.96	40.90	0.03	-	100.38
390	J. E. Broussard	24	May 22, 1941	28.12	19.28	8.84	24.22	4.40	34.97	12.97	0.00	0.00	104.68
400	Guy Jackson	13	June 24, 1941	2.92	2.08	0.84	7.30	3.10	0.31	6.77	0.02	0.04	20.46
412	W. J. Stines	22	June 25, 1941	5.74	4.20	1.54	2.58	5.20	0.96	1.89	0.04	0.23	16.64
421	H. Haynes	480	May 6, 1941	1.70	1.02	0.68	27.49	6.70	0.04	22.42	-	0.03	58.38
425	R. Barrow	210	Aug. 21, 1941	17.66	8.60	9.06	33.72	9.00	2.00	40.33	0.05	-	102.76
426	do.	572	do.	2.96	1.84	1.12	37.85	8.90	0.04	31.87	0.01	-	81.63
451	G. R. Canada	650±	July 3, 1941	3.50	2.18	1.32	46.38	6.90	0.08	42.87	0.01	0.03	99.77
458	do.	265	do.	4.52	1.78	2.74	40.24	11.30	0.04	33.42	0.01	-	89.53

Partial analyses of water from W.P.A. test holes in Chambers County, Texas

Analyzed at The University of Texas under the direction of F. W. Lohr and W. W. Hastings, Chemists, U. S. Department of the Interior, Geological Survey, and Dr. E. P. Schoch, Director of the Bureau of Industrial Chemistry. Results are in parts per million. Well numbers correspond to numbers in table of well records.

Well No.	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO_3)	Sulphate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Total hardness as $CaCO_3$ (calc.)
500	14	Mar. 26, 1941	120	34	0.2	14	128	3	6.0	a/	-	85
501	22	do.	305	84	1.5	33	256	18	42	a/	-	216
503	21	do.	130	24	0.2	27	92	13	21	a/	-	60
505	20	do.	338	34	1.5	95	232	34	40	19	-	91
506	21	do.	721	162	16	84	256	66	262	5.0	-	470
508	28	do.	209	-	-	-	171	8	37	a/	-	-
510	21	Mar. 11, 1941	1,634	410	18	175	262	25	880	a/	-	1,101
512	27	do.	610	137	13	81	390	25	162	a/	-	398
513	24	Mar. 27, 1941	320	24	3.9	99	244	31	42	a/	-	77
514	30	do.	235	-	-	-	183	25	32	a/	-	-
515	25	Mar. 11, 1941	2,127	210	49	546	543	55	1,000	a/	0.4	725
517	21	Mar. 27, 1941	5,028	645	123	855	268	2,333	940	a/	0.3	2,116
519	37	Apr. 9, 1941	749	123	12	148	323	47	260	a/	-	358
520	-	Apr. 5, 1941	719	27	6.3	255	384	20	222	a/	-	94
522	24	do.	2,366	181	41	678	293	27	1,295	a/	-	620
523	28	Apr. 9, 1941	10,072	885	248	2,549	464	801	5,360	20	0.8	3,233
524	17	do.	2,347	-	-	-	281	15	1,340	a/	-	-
525	20	do.	369	86	3.9	55	354	22	28	a/	-	232
526	26	do.	2,549	269	49	635	390	124	1,280	a/	-	875
527	21	do.	2,599	266	52	658	287	47	1,435	a/	-	877
528	25	do.	640	53	6.3	194	348	18	195	3.0	-	159
530	18	do.	472	96	8.8	76	354	22	90	a/	-	275
531	20	do.	555	59	6.3	159	433	4	114	a/	-	174
532	22	do.	2,074	263	31	491	360	29	1,080	2.5	-	784
534	25	July 2, 1941	568	60	6	128	55	215	132	a/	0	177
535	22	do.	366	13	5.1	132	317	12	48	a/	-	53
536	20	July 8, 1941	202	58	2.7	18	201	8	16	a/	-	157
537	18	Apr. 9, 1941	465	-	-	-	207	23	168	a/	-	-
538	12	do.	1,338	187	21	296	220	21	705	a/	-	553
539	25	do.	781	70	16	217	342	15	295	a/	-	240
542	32	Mar. 25, 1941	407	102	8.8	40	195	25	135	a/	-	290
552	43	July 1, 1941	426	35	5.1	132	366	27	47	a/	-	108

Partial analyses of water from W.P.A. test holes in Chambers County---Continued

Results are in parts per million.

Well No.	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO_3)	Sulphate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Total hardness as $CaCO_3$ (calc.)
554	16	June 6, 1941	45	-	-	-	12	18	6.0	a/	-	-
558	40	do.	55	6.8	1.0	15	24	12	8.0	a/	-	21
559	20	June 10, 1941	1,139	62	20	344	12	62	645	a/	-	237
561	24	do.	92	2.8	0.97	29	12	31	22	a/	-	11
562	24	Apr. 15, 1941	847	90	20	209	262	31	360	8.0	-	307
563	23	do.	3,439	-	-	-	159	1,905	390	a/	-	-
564	20	do.	1,470	159	41	296	73	568	330	a/	-	565
565	37	Apr. 14, 1941	920	163	23	157	293	13	420	a/	-	504
570	30	June 3, 1941	388	20	8.3	115	49	47	174	a/	-	85
573	24	July 8, 1941	1,642	234	45	275	275	538	415	a/	-	773
574	27	do.	720	129	22	102	140	108	290	a/	-	414
575	10	do.	381	-	-	-	268	18	87	a/	-	-
576	13	Apr. 15, 1941	1,772	343	48	144	171	1,081	72	a/	-	1,055
577	13	do.	549	79	14	115	409	78	62	a/	-	253
578	35	do.	316	58	10	54	244	4	70	a/	-	186
579	20	do.	3,855	426	113	687	317	1,963	510	a/	-	1,530
580	18	June 5, 1941	456	49	3.4	101	73	214	52	0.5	0.3	137
581	21	do.	420	32	5.8	106	92	179	52	a/	-	104
582	20	June 10, 1941	138	19	3.4	32	134	8	10	a/	-	62
583	21	do.	769	94	8.3	169	153	228	195	a/	-	270
584	23	July 1, 1941	313	30	3.9	90	214	16	68	a/	-	92
586	10	July 2, 1941	173	-	-	-	153	7	24	a/	-	-
589	18	June 6, 1941	179	8.8	2.2	541	18	42	63	a/	-	31
590	22	do.	133	4.8	2.2	43	37	17	48	a/	-	21
592	14	do.	238	15	3.4	76	128	3	78	a/	-	52
593	16	do.	64	-	-	-	12	8	27	a/	-	-
594	18	do.	85	6.8	1.0	27	79	3	8.0	a/	-	21
596	20	July 1, 1941	149	16	2.7	39	104	15	25	a/	-	52
598	20	June 5, 1941	1.833	330	55	178	153	1,003	192	a/	-	1,054

a/ Nitrate less than 20 parts per million.

Partial analyses of water from W.P.A. test holes in Chambers County--Continued

Results are in parts per million.

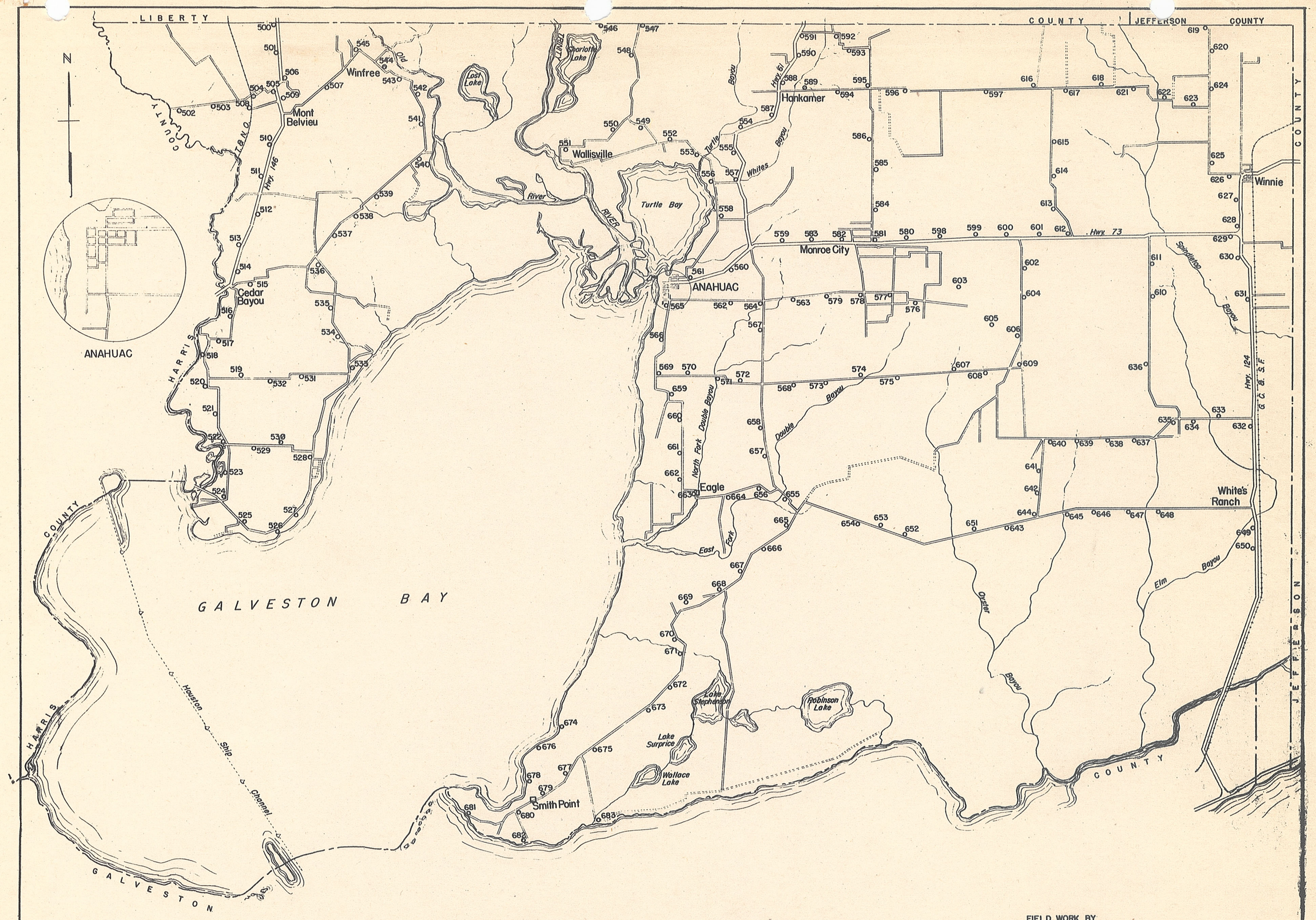
Well No.	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO_3)	Sulphate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Total hardness as $CaCO_3$ (calc.)
600	22	June 5, 1941	1,103	238	22	103	275	467	138	a/	0.5	683
601	32	do.	1,076	86	16	310	531	135	268	a/	-	280
602	10	do.	234	2.8	1.0	85	6	29	113	a/	0.4	11
603	12	June 3, 1941	804	153	17	128	244	42	342	1.8	-	450
604	21	June 5, 1941	244	17	2.0	77	140	20	59	a/	-	51
605	24	June 3, 1941	72	-	-	-	37	3	24	a/	-	-
606	31	June 5, 1941	385	70	13	60	171	12	146	a/	-	228
607	24	do.	207	23	3.4	53	104	17	60	a/	-	72
609	23	July 8, 1941	421	108	13	26	226	13	145	a/	-	346
610	32	June 5, 1941	195	9.2	3.4	63	146	31	16	a/	-	37
612	24	do.	317	72	12	36	305	27	20	a/	-	227
613	21	July 2, 1941	260	12	1.2	83	116	77	30	a/	-	36
614	26	do.	561	102	11	76	116	196	119	a/	-	302
615	25	do.	2,552	133	23	779	104	461	1,105	a/	-	429
616	16	do.	290	41	5.1	60	55	31	126	a/	-	123
617	25	--	1,365	320	16	84	165	826	38	a/	0.2	865
618	25	July 2, 1941	988	152	17	136	67	614	36	a/	-	451
619	20	do.	158	6.4	2.7	52	43	4	72	a/	-	27
620	13	do.	105	-	-	-	79	13	14	a/	-	-
621	27	do.	2,520	382	66	322	195	1,536	118	a/	0.2	1,226
623	18	do.	976	20	1.5	369	354	31	380	a/	-	56
624	24	do.	74	6	1.5	20	18	8	29	a/	-	21
625	17	do.	124	-	-	-	73	25	18	a/	-	-
627	29	do.	635	16	1.5	244	488	27	106	a/	-	46
628	38	July 23, 1941	276	70	10	26	293	12	14	a/	-	216
630	37	do.	124	28	11	3.2	92	9	28	a/	-	117
631	31	do.	904	25	5.1	335	506	31	259	a/	-	83
632	27	--	190	31	12	22	55	18	80	a/	-	128
633	30	July 23, 1941	425	33	13	92	31	192	80	a/	-	137
635	20	do.	219	30	8.8	35	61	69	46	0	-	110
636	19	do.	337	6.4	11	115	220	15	82	a/	-	62
638	34	do.	634	32	8.8	213	78	13	181	a/	-	115
639	28	do.	263	29	6.3	67	195	16	49	a/	-	99
640	19	do.	308	-	-	-	183	31	73	a/	-	-
641	23	do.	848	83	23	224	561	27	215	a/	-	304

Partial analyses of water from W.P.A. test holes in Chambers County--Continued

Results are in parts per million.

Well No.	Depth of well (ft.)	Date of collection	Total dissolved solids (calc.)	Calcium (Ca)	Magnesium (Mg)	Sodium and Potassium (Na + K) (calc.)	Bicarbonate (HCO_3)	Sulphate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Fluoride (F)	Total hardness as $CaCO_3$ (calc.)
643	-	July 8, 1941	2,131	129	39	583	31	730	685	a/	0	484
644	25	do.	580	14	2.7	212	250	50	178	a/	-	47
646	26	June 23, 1941	670	113	22	119	409	13	202	a/	-	374
648	22	do.	3,048	240	70	835	476	108	1,560	a/	0.9	888
649	25	July 16, 1940	276	-	-	-	226	20	40	a/	-	-
651	26	July 8, 1941	3,936	519	140	670	433	1,094	1,300	a/	-	1,871
652	28	do.	337	-	-	-	305	15	42	a/	-	-
655	23	Apr. 14, 1941	534	114	16	69	403	62	75	a/	-	350
658	33	June 3, 1941	91	5.2	3.4	26	67	12	11	a/	-	27
659	19	Apr. 14, 1941	420	-	-	-	281	2	120	a/	-	-
660	13	do.	137	26	3.9	21	73	5	45	a/	-	82
661	31	do.	1,320	137	21	329	348	202	460	a/	-	428
662	21	do.	2,706	193	61	670	256	956	700	a/	-	736
663	26	do.	3,223	318	88	765	348	311	1,570	a/	-	1,159
664	14	do.	3,342	268	54	796	293	1,477	595	8.0	-	894
666	22	do.	242	20	10	57	61	33	92	a/	-	91
667	30	do.	306	44	7.5	66	232	30	44	a/	-	140
669	27	do.	8,279	663	269	2,046	378	840	4,275	a/	-	2,766
670	20	do.	1,315	16	18	464	18	78	730	a/	-	116
671	25	do.	5,017	209	231	1,390	470	156	2,800	0	-	1,473
677	10	May 27, 1941	185	5.2	9.2	52	6	15	101	a/	-	51
681	20	do.	40,202	1,606	1,938	10,700	549	3,907	21,780	a/	1.3	11,983
683	39	July 3, 1941	5,469	104	138	1,796	464	442	2,760	a/	0.5	830

a/ Nitrate less than 20 parts per million.



BASE COMPILED FROM
STATE HIGHWAY PLANNING SURVEY
COUNTY ROAD MAP AND FIELD NOTES

MAP OF CHAMBERS COUNTY, TEXAS

SHOWING TEST HOLES

SCALE
0 1 2 3 4 5 6 MILES

FIELD WORK BY
LLOYD G. DAVIS

TEXAS BOARD OF
WATER ENGINEERS
IN COOPERATION WITH
U. S. GEOLOGICAL SURVEY

10-16-41.